

Db	1	MDSTREDEGRJLTSCLKKREEMKLECVSILPRKSPFVRSXKQGLLAATLLIALNLSCC	60
Qy	61	LTVASFQYAAALOGDLASLPAELQGHNAEKI PAGAGACAGLEBPAPVATGKIFPPAP	120
Db	61	LTVASFQYAAALOGDLASLPAELQGHNAEKI PAGAGACAGLEBPAPVATGKIFPPAP	120
Qy	121	GEGNSSQNSNKKRAVQGPETVTDCLQIADSEPTTIQKSYTFVFWILSFKRGSALKE	180
Db	121	GEGNSSQNSNKKRAVQGPETVTDCLQIADSEPTTIQKSYTFVFWILSFKRGSALKE	180
Qy	181	KENKILVKEKGYFFIYGQVLYTDKTYAMCHLQKRYAVFQDELSTVTLFFCIQNMPELT	240
Db	181	KENKILVKEKGYFFIYGQVLYTDKTYAMCHLQKRYAVFQDELSTVTLFFCIQNMPELT	240
Qy	241	PNNSCYSAGIAKLEEDDELQALPPBNNAISLDGVTFFGALKLL	285
Db	241	PNNSCYSAGIAKLEEDDELQALPPBNNAISLDGVTFFGALKLL	285

RESULT 183
 ADc80761
 ID ADc80761 standard; protein; 285 AA.
 XX
 AC ADc80761;
 XX
 DT 15-JAN-2004 (first entry)
 XX
 DE Novel human secreted and transmembrane protein PRO738

KM Human; secreted and transmembrane protein; PRO; secreted polypeptide;
 KM Transmembrane polypeptide; tumour necrosis factor- α ; TNF- α ;
 KM chondrocyte; tumour; cancer; adrenal, lung, colon, breast, prostate;
 KM rectum; kidney; cervix; liver; microvascular endothelial cell;
 KM glucose uptake modulator; PFA uptake modulator; cell proliferation;
 KM cell differentiation; skeletal muscle cell; adipocyte cell;
 KM pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder; thalassemia;
 KM immune system cell infiltration; chromosome mapping; gene mapping;
 KM gene therapy; chromosome identification; chromosome marker.

OS	Homo sapiens.
XX	
XX	
PN	US0003092115-A1.
XX	
PD	15-MAY-2003.
XX	
XX	
PF	30-MAY-2002; 2002US-00158785
XX	
XX	
ER	05-JUN-2000; 2000US-02099322P
ER	01-DEC-2000; 2000WS-US032878
ER	19-DEC-2001; 2000US-00028072

PA (CETH) GENENTECH INC.
XX
XX Baker KP, Beresini M, Deforge J, Desnoyers L, Flivaroff E, Gao W,
PI Petersen ME, Goddard A, Godowski PJ, Guney AU, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood W, Zhang Z;
XX
XX WPI; 2004-020238/02.
DR
DR N-PSDB; ADC80760.

PT New secreted and transmembrane nucleic acids and polypeptides, designated
 PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
 PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
 PT cancer.
 PS
 PS Claim 12; Fig 24; 637bp; English.
 XX
 XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The

invented, also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor- α (TNF- α) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA (free fatty acid) by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPRO at segdata.uspto.gov/sequence.html.

SQ Sequence 285 AA;

Query Match	100.0%	Score 1451	DB 8	Length 285
Best Local Similarity	100.0%	Pred. No. 1.3e-144		
Matches 285	0	Mismatches 0	Indels 0	Gaps 0

QY	1	MDSTSEQSLTSCIKRREEMKKECVSILPRRESVSXSGKGLAATLLALSQC	60
Db	1	MDSTSEQSLTSCIKRREEMKKECVSILPRRESVSXSGKGLAATLLALSQC	60
QY	61	LTVVSFQVALATQDLASLPAELQGHAEKIPACAGAPKGLSEAPAVTAGLKIFEBPAP	120
Db	61	LTVVSFQVALATQDLASLPAELQGHAEKIPACAGAPKGLSEAPAVTAGLKIFEBPAP	120
QY	121	GEGNSQNSNRKRAVQGPPEFTVTDCCQLADSEPTPIQKSYFYFVWMLSFKGSALAE	180
Db	121	GEGNSQNSNRKRAVQGPPEFTVTDCCQLADSEPTPIQKSYFYFVWMLSFKGSALAE	180
QY	181	KENKILIKELGYFPIYGOVLYTPKTYAMGHLQKKYKHYVGEDELSTVTLPRCIONMPELT	240
Db	181	KENKILIKELGYFPIYGOVLYTPKTYAMGHLQKKYKHYVGEDELSTVTLPRCIONMPELT	240
QY	241	PNNSCYAGIAKLEFEGDELQATFRENAQISLSDGVTFPGALKLL	285
Db	241	PNNSCYAGIAKLEFEGDELQATFRENAQISLSDGVTFPGALKLL	285

RESULT 184
ADD76209
ID ADD76209 standard; protein; 285 AA

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AC      ADD76209;
XX
DT      29-JAN-2004  (first entry)
XX
DE      Human PRO polypeptide #12

```

KM Human, FRO, secreted polypeptide; transmembrane polypeptide;
KM tumour necrosis factor- α ; TNF- α ; chondrocyte cell; tumour;
KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KM liver; microvascular endothelial cell; glucose; FFA;

KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricle supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
KW immune system cell infiltration.
XX
XX Homo sapiens.
XX US2003100087-A1.
XX
XX
XX 29-MAY-2003.
XX
XX
XX 16-APR-2002; 2002US-00123912.
XX
XX 31-MAR-1997; 97WO-US005230.
XX 12-JUN-1998; 98WO-US012456.
XX 14-JUL-1998; 98WO-US014552.
XX 28-AUG-1998; 98WO-US017888.
XX 10-SEP-1998; 98WO-US018824.
XX 14-SEP-1998; 98WO-US019093.
XX 14-SEP-1998; 98WO-US019094.
XX 14-SEP-1998; 98WO-US019177.
XX 16-SEP-1998; 98WO-US019330.
XX 17-SEP-1998; 98WO-US019437.
XX 07-OCT-1998; 98WO-US021141.
XX 29-OCT-1998; 98WO-US022991.
XX 29-OCT-1998; 98WO-US022992.
XX 20-NOV-1998; 98WO-US024855.
XX 01-DEC-1998; 98WO-US025108.
XX 05-JAN-1999; 99WO-US000106.
XX 08-MAR-1999; 99WO-US005028.
XX 10-MAR-1999; 99WO-US005190.
XX 20-APR-1999; 99WO-US008615.
XX 14-MAY-1999; 99WO-US010733.
XX 02-JUN-1999; 99WO-US012252.
XX 01-SEP-1999; 99WO-US020117.
XX 08-SEP-1999; 99WO-US020594.
XX 13-SEP-1999; 99WO-US020944.
XX 15-SEP-1999; 99WO-US021547.
XX 05-OCT-1999; 99WO-US023089.
XX 29-NOV-1999; 99WO-US028214.
XX 30-NOV-1999; 99WO-US028313.
XX 01-NOV-1999; 99WO-US028409.
XX 01-DEC-1999; 99WO-US028301.
XX 01-DEC-1999; 99WO-US028634.
XX 02-DEC-1999; 99WO-US028551.
XX 02-DEC-1999; 99WO-US028564.
XX 02-DEC-1999; 99WO-US028565.
XX 16-DEC-1999; 99WO-US030095.
XX 20-DEC-1999; 99WO-US030911.
XX 20-DEC-1999; 99WO-US030999.
XX 22-DEC-1999; 99WO-US030720.
XX 30-DEC-1999; 99WO-US031243.
XX 30-DEC-1999; 99WO-US031274.
XX 05-JAN-2000; 2000WO-US000219.
XX 06-JAN-2000; 2000WO-US000217.
XX 06-JAN-2000; 2000WO-US000376.
XX 11-FEB-2000; 2000WO-US003565.
XX 18-FEB-2000; 2000WO-US003441.
XX 18-FEB-2000; 2000WO-US003442.
XX 22-FEB-2000; 2000WO-US004414.
XX 24-FEB-2000; 2000WO-US004914.
XX 24-FEB-2000; 2000WO-US005004.
XX 01-MAR-2000; 2000WO-US005601.
XX 02-MAR-2000; 2000WO-US005746.
XX 02-MAR-2000; 2000WO-US005841.
XX 10-MAR-2000; 2000WO-US006319.
XX 15-MAR-2000; 2000WO-US006884.
XX 20-MAR-2000; 2000WO-US007377.
XX 21-MAR-2000; 2000WO-US007532.
XX 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US074759.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001US-00796498.
PR 01-MAR-2001; 2001US-00866666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00806899.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00865028.
PR 25-MAY-2001; 2001US-00865034.
PR 25-MAY-2001; 2001US-00870392.
PR 01-JUN-2001; 2001US-00872035.
PR 05-JUN-2001; 2001US-00874503.
PR 05-JUN-2001; 2001US-00882636.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00883342.
PR 20-JUN-2001; 2001US-00885992.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001US-00887879.
PR 29-JUN-2001; 2001US-00892011.
PR 09-JUL-2001; 2001US-00892011.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
XX Gerritsen WE, Goddard A, Godowski P, Gurney AL, Sherwood S;
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WP: 2004-008956/01.
XX N-PSDB; ADD76208.
XX
XX New PRO nucleic acid, useful for recombinantly producing a PRO
XX polypeptide and for manufacturing a medicament for diagnosing or treating
XX a tumor.
XX
XX
XX Claim 12; Fig 24; 638pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
XX transmembrane polypeptides) and the polynucleotides encoding them. The
XX invention also relates to an antibody which specifically binds to a PRO
XX polypeptide, a method for stimulating the release of tumour necrosis
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the
XX proliferation or differentiation of chondrocyte cells and a method for
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
XX polynucleotides are useful in molecular biology, including uses as
XX hybridisation probes, in chromosome and gene mapping, in generating
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also
XX be used in preparing PRO polypeptides by recombinant techniques and in
XX generating either transgenic animals or knock-out animals which are
XX useful in the development and screening of therapeutically useful
XX reagents. The PRO polypeptides or antibodies are used in preparing a
XX medicament for treating a condition responsive to the polypeptides or

CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems. PRO
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX

SO Sequence 285 AA;
Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERSQSLTSCCKREEMKKECVSILPRKESPVSVSSKDGKLLAATLIALALSSCC 60
Db 1 MDSTERSQSLTSCCKREEMKKECVSILPRKESPVSVSSKDGKLLAATLIALALSSCC 60

QY 61 LTVVSPYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
Db 61 LTVVSPYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQADSETPTIQGXYTFVPMILSFRKGSALAE 180
Db 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQADSETPTIQGXYTFVPMILSFRKGSALAE 180

QY 181 KENKILVKEGYFFITGQVLYTDTKYAMGHLIQRKXVHVFQGDLSIVTFRCIQNNPEPTL 240
Db 181 KENKILVKEGYFFITGQVLYTDTKYAMGHLIQRKXVHVFQGDLSIVTFRCIQNNPEPTL 240

QY 241 PNNSCYSAGIAKLEBDEQLAIPRNAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDEQLAIPRNAQISLDGVTFFGALKL 285

RESULT 185
ADD87573 standard; protein; 285 AA.
ID ADD87573
AC ADD87573;
XX 29-JAN-2004 (first entry)
DT Human PRO polypeptide #12.
XX
XX Human PRO; secreted polypeptide; transmembrane polypeptide;
XX tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
XX cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
XX liver; microvascular endothelial cell; glucose; FFA;
XX skeletal muscle cell; adipocyte cell; pericyte cell;
XX inner ear utricular supporting cell; T-lymphocyte cell;
XX endothelial cell tube formation; bone disorder; cartilage disorder;
XX sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
XX rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
XX immune system cell infiltration.
XX
OS Homo sapiens.
XX
XX US2003092113-A1.
XX
XX 15-MAY-2003.
XX
XX 16-MAY-2002; 2002US-00147523.
PF

XX 09-DEC-1999; 99US-0170262P.
PR 01-DEC-2000; 2000MO-US032676.
PR 19-DEC-2001; 2001US-00028072.
XX (GENTH) GENENTECH INC.
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
XX Gerlsten ME, Goddard A, Godowski PJ, Gunney AJ, Sherwood S,
XX Smith V, Stewart JA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2004-020237/02.
DR N-PSDB; ADD87572.
XX
XX New secreted and transmembrane nucleic acids and polypeptides, designated
XX as PRO, useful for treating inflammation, organ failure, atherosclerosis,
XX cardiac injury, infertility, birth defects, premature aging, AIDS, or
XX cancer.
XX
XX Claim 12; Fig 24; 637pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
XX transmembrane polypeptides) and the polynucleotides encoding them. The
XX invention also relates to an antibody which specifically binds to a PRO
XX polypeptide, a method for stimulating the release of tumour necrosis
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the
XX proliferation or differentiation of chondrocyte cells and a method for
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
XX polynucleotides are useful in molecular biology, including uses as
XX hybridisation probes, in chromosome and gene mapping, in generating
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also
XX be used in preparing PRO polypeptides by recombinant techniques and in
XX generating either transgenic animals or knock-out animals which are
XX useful in the development and screening of therapeutically useful
XX reagents. The PRO polypeptides or antibodies are used in preparing a
XX medicament for treating a condition responsive to the polypeptides or
XX antibodies, such as tumours, for stimulating and inhibiting proliferation
XX of human microvascular endothelial cells, for modulating the uptake of
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX stimulating differentiation of adipocyte cells, for stimulating
XX the proliferation of or gene expression in pericyte cells, for stimulating
XX cells, for inducing endothelial cell tube formation and for treating
XX various bone and/or cartilage disorders such as sports injuries and
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans
XX from cartilage are useful for treating sports-related joint problems, PRO
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
XX polypeptides are also useful for treating various mammalian haemoglobin-
XX associated disorders such as various thalassemias and conditions which
XX may benefit from enhanced local immune system cell infiltration. This
XX sequence represents a human PRO polypeptide of the invention. Note: The
XX sequence data for this patent is also available in electronic format from
XX USPTO at seqdata.uspto.gov/sequence.html.
XX

SO Sequence 285 AA;
Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERSQSLTSCCKREEMKKECVSILPRKESPVSVSSKDGKLLAATLIALALSSCC 60
Db 1 MDSTERSQSLTSCCKREEMKKECVSILPRKESPVSVSSKDGKLLAATLIALALSSCC 60

QY 61 LTVVSPYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
Db 61 LTVVSPYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQADSETPTIQGXYTFVPMILSFRKGSALAE 180
Db 121 GEGNSQNSRNRKRAVQGPBEETVTDQCLQADSETPTIQGXYTFVPMILSFRKGSALAE 180

QY 181 KENKILVKTGYFFIYGVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRQIONMPETL 240
 DB 181 KENKILVKTGYFFIYGVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRQIONMPETL 240
 QY 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 RESULT 186
 ADD85977
 ID ADD85977 standard; protein; 285 AA.
 AC ADD85977;
 DT 29-JAN-2004 (first entry)
 XX
 XX Human PRO polypeptide #12.
 XX
 KM Human: PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX
 XX Homo sapiens.
 XX
 PN US2003203440-A1.
 XX
 PD 30-OCT-2003.
 XX
 XX 29-MAY-2002; 2002US-00157798.
 PF 05-JUN-2000; 2000US-0209832P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GETH) GENENTECH INC.
 XX
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen M, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2004-021363/02.
 DR N-PSDB; ADD85976.
 XX
 XX New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO114 or
 PT PRO478, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 XX
 XX Claim 12; Fig 24; 637pp; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or

CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems. PRO
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.
 CC
 XX
 SQ Sequence 285 AA;
 Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDSTERBQSRITSCLEKREMKLKCVCSTLPKESPSRSSGDTLAATLLALSGC 60
 DB 1 MDSTERBQSRITSCLEKREMKLKCVCSTLPKESPSRSSGDTLAATLLALSGC 60
 QY 61 LTVVSFYQVALQGDLASLPAELQGHAEKLPAGAPAPAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYQVALQGDLASLPAELQGHAEKLPAGAPAPAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSNKKRAVOGPEETVTQDCLQIADSETTITQXGYTFPWLSPFRGSALE 180
 DB 121 GEGNSQNSNKKRAVOGPEETVTQDCLQIADSETTITQXGYTFPWLSPFRGSALE 180
 QY 181 KENKILVKTGYFFIYGVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRQIONMPETL 240
 DB 181 KENKILVKTGYFFIYGVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRQIONMPETL 240
 QY 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAXKEBDEQLAIPRENAQISLDGVTFFGALKL 285
 RESULT 187
 ADE75425
 ID ADE75425 standard; protein; 285 AA.
 AC ADE75425;
 DT 29-JAN-2004 (first entry)
 XX
 XX Human PRO polypeptide #12.
 XX
 KM Human: PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX
 OS Homo sapiens.
 PN US2003211571-A1.
 PN 13-NOV-2003.
 PD 20-MAY-2002; 2002US-00152405.
 PF

XX 03-MAR-2000; 2000US-0187202P.
 PR 01-DEC-2000; 2000MO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 PI Baker KP, Beresini M, DeForge L, Desnoyers J, Filvaroff E, Gao W,
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI: 2004-051576/05.
 DR N-PSDB; ADE754424.
 PT New secreted and transmembrane PRO polypeptide and nucleic acid encoding
 PT it, for use in gene therapy, as diagnostic markers for the presence of a
 PT disease condition, or as therapeutic targets for treating tumors,
 PT diabetes, or arthritis.
 XX
 PS Claim 12; Fig 24; 637PP; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumors). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems,
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.
 CC
 XX
 SQ Sequence 285 AA;
 XX
 Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 KENKILVKEGYFFPIYGVLTDTKTYAMGHIQKKNVFGDELSTVTLFRICQMPETL 240
 DB 181 KENKILVKEGYFFPIYGVLTDTKTYAMGHIQKKNVFGDELSTVTLFRICQMPETL 240
 QY 241 PNNSCYSAGIAKLEBDEQLAIPRENAQISLDGDTFFFGAKLL 285
 DB 241 PNNSCYSAGIAKLEBDEQLAIPRENAQISLDGDTFFFGAKLL 285
 RESULT 188
 ADE41348
 ID ADE41348 standard; protein; 285 AA.
 XX
 AC ADE41348;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human secreted/transmembrane PRO polypeptide #49.
 XX
 KW human; secreted protein; transmembrane protein; cardiovascular disorder;
 KW endothelial disorder; angiogenic disorder; myocardial infarction;
 KW cardiac hypertrophy; trauma; cancer; age-related macular degeneration;
 KW angiogenesis; endothelial cell apoptosis; smooth muscle cell growth;
 KW endothelial cell tube formation.
 XX
 OS Homo sapiens.
 XX
 PN US2003100497-A1.
 XX
 PD 29-MAY-2003.
 XX
 PF 16-AUG-2002; 2002US-00223085.
 XX
 PR 20-JUN-2001; 2001WO-US019692.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 20-FEB-2002; 2002US-00081056.
 XX
 PA (GENTH) GENENTECH INC.
 PI Baker KP, Ferrera N, Gerber H, Gerritsen ME, Goddard A,
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Stephan JF,
 PI Watanabe CK, Williams PM, Wood WI, Ye W;
 XX
 DR WPI: 2004-008957/01.
 DR N-PSDB; ADE41347.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO205 or
 PT PRO214, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and for treating disorders involving
 PT angiogenesis.
 XX
 PS Claim 11; SEQ ID NO 98; 497PP; English.
 XX
 CC The invention relates to an isolated nucleic acid encoding a secreted and
 CC transmembrane polypeptide (PRO). The nucleic acid, a polypeptide encoded
 CC by the nucleic acid, or an agonist or antagonist, is used to treat a
 CC cardiovascular, endothelial, or angiogenic disorder in a mammal,
 CC preferably a human. The human may have suffered a myocardial infarction
 CC or has cardiac hypertrophy, trauma, a cancer, or age-related macular
 CC degeneration. The cardiac hypertrophy is characterised by the presence of
 CC an elevated level of Pgf-2 alpha. A PRO polypeptide, given in the
 CC specification, or an agonist is used to inhibit or stimulate endothelial
 CC cell growth in a mammal. PRO21 or an agonist is used to induce cardiac
 CC hypertrophy. PRO1376 or PRO1449 is used to stimulate angiogenesis.
 CC PRO4302 or an agonist is used to induce endothelial cell apoptosis. A PRO
 CC polypeptide, given in the specification, or an agonist is used to
 CC stimulate or inhibit smooth muscle cell growth, or to induce endothelial
 CC cell tube formation. The present sequence represents the amino acid
 CC sequence of a PRO polypeptide of the invention.
 XX
 SQ Sequence 285 AA;
 XX
 Query Match 100.0%; Score 1451; DB 8; Length 285;

Best Local Similarity 100.0%; Pred. No. 1,3e-144; Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRRLTSCIKKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 1 MDSTEREGSRRLTSCIKKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 Db 1 MDSTEREGSRRLTSCIKKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 QY 61 LTVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 61 LTVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 Db 61 LTVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGPPEVTQDCLQLIADSEPTIQKGYTFVPMILSPKGSALAE 180
 121 GEGNSQNSRNRKRAVQGPPEVTQDCLQLIADSEPTIQKGYTFVPMILSPKGSALAE 180
 Db 121 GEGNSQNSRNRKRAVQGPPEVTQDCLQLIADSEPTIQKGYTFVPMILSPKGSALAE 180
 QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNPETL 240
 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNPETL 240
 Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNPETL 240
 QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
 Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 189

ADE23001
 ID ADE23001 standard; protein; 285 AA.

AC ADE23001;

DT 29-JAN-2004 (first entry)

DE Human PRO polypeptide #12.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.

OS Homo sapiens.

PN US2003092108-A1.

PD 15-MAY-2003.

PF 24-APR-2002; 2002US-00131835.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

PA (GETH) GENENTECH INC.

PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WT, Zhang Z;

DR WPI; 2004-020234/02.

DR N-PDB; ADE23000.

XX New secreted and transmembrane nucleic acids and polypeptides, designated
 PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
 PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
 PT cancer.

XX Claim 12; Fig 24; 637BP; English.

XX The invention relates to isolated human PRO polypeptides (secreted and

CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems.
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various immune system cell infiltration. This
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC the USPTO website at segdata.uspto.gov.

CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems.
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various immune system cell infiltration. This
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC the USPTO website at segdata.uspto.gov.

SO Sequence 285 AA.

Query Match
 Best Local Similarity 100.0%; Score 1451; DB 8; Length 285;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRRLTSCIKKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 1 MDSTEREGSRRLTSCIKKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 Db 1 MDSTEREGSRRLTSCIKKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 QY 61 LTVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 61 LTVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 Db 61 LTVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGPPEVTQDCLQLIADSEPTIQKGYTFVPMILSPKGSALAE 180
 121 GEGNSQNSRNRKRAVQGPPEVTQDCLQLIADSEPTIQKGYTFVPMILSPKGSALAE 180
 Db 121 GEGNSQNSRNRKRAVQGPPEVTQDCLQLIADSEPTIQKGYTFVPMILSPKGSALAE 180
 QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNPETL 240
 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNPETL 240
 Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNPETL 240
 QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
 Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 190

ADE23553
 ID ADE23553 standard; protein; 285 AA.

AC ADE23553;

DT 29-JAN-2004 (first entry)

DE Human PRO polypeptide #12.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
KW immune system cell infiltration.
OS Homo sapiens.
XX
PN US2003092110-A1.
XX
PD 15-MAY-2003.
XX
PF 03-MAY-2002; 2002US-00137864.
XX
PR 03-MAR-2000; 2000US-0187202P.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
XX (GENTH) GENENTECH INC.
XX
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerlitsen ME, Goddard A, Godowski PJ, Guiney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2004-020235/02.
XX N-PSDB; ADE23552.
XX
PT New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
PT cancer.
XX
XX Claim 12; Fig 24; 637pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
XX transmembrane polypeptides) and the polynucleotides encoding them. The
XX invention also relates to an antibody which specifically binds to a PRO
XX polypeptide, a method for stimulating the release of tumour necrosis
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the
XX proliferation or differentiation of chondrocyte cells and a method for
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
XX polynucleotides are useful in molecular biology, including uses as
XX hybridisation probes, in chromosome and gene mapping, in generating
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also
XX be used in preparing PRO polypeptides by recombinant techniques and in
XX generating either transgenic animals or knock-out animals which are
XX useful in the development and screening of therapeutically useful
XX reagents. The PRO polypeptides or antibodies are used in preparing a
XX medicament for treating a condition responsive to the polypeptides or
XX antibodies, such as tumours, for stimulating and inhibiting proliferation
XX of human microvascular endothelial cells, for modulating the uptake of
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX stimulating differentiation of adipocyte cells, for stimulating
XX proliferation of or gene expression in pericyte cells, for stimulating
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte
XX cells, for inducing endothelial cell tube formation and for treating
XX various bone and/or cartilage disorders such as sports injuries and
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans
XX from cartilage are useful for treating sports-related joint problems.
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
XX polypeptides are also useful for treating various mammalian haemoglobin-
XX associated disorders such as various thalassemias and conditions which
XX may benefit from enhanced local immune system cell infiltration. This
XX sequence represents a human PRO polypeptide of the invention. Note: The
XX sequence data for this patent is also available in electronic format from
XX the USPTO website at seqdata.uspto.gov.
XX
XX Sequence 285 AA;
XX

Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSPREOSLTSLCKREEMKKECVSLIPRESPVRSKQGLLAATLLALSCC 60
Db 1 MDDSTREOSLTSLCKREEMKKECVSLIPRESPVRSKQGLLAATLLALSCC 60
QY 61 LTVSFFYVVALQGLDLSLRAELQSHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
Db 61 LTVSFFYVVALQGLDLSLRAELQSHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLINDSETPTIQRKSYTFVFWLLSFKRGSALAE 180
Db 121 GEGNSQNSRNRKRAVQGEETVTDCLINDSETPTIQRKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKYVVFGEDELSTVTLFRQIONMPELT 240
Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKYVVFGEDELSTVTLFRQIONMPELT 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGDVTFPGALKLL 285
Db 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGDVTFPGALKLL 285
RESULT 191
ADE24196
ID ADE24196 standard; protein; 285 AA.
XX
XX ADE24196;
XX
XX 29-JAN-2004 (first entry)
XX
XX Human PRO polypeptide #12.
XX
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
KW immune system cell infiltration.
XX
XX Homo sapiens.
XX
XX US2003092111-A1.
XX
XX 15-MAY-2003.
XX
XX 03-MAY-2002; 2002US-00137869.
XX
XX 03-MAR-2000; 2000US-0187202P.
XX 01-DEC-2000; 2000WO-US032678.
XX 19-DEC-2001; 2001US-00028072.
XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
XX Gerlitsen ME, Goddard A, Godowski PJ, Guiney AL, Sherwood S,
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2004-020235/02.
XX N-PSDB; ADE24195.
XX
XX New secreted and transmembrane nucleic acid useful for treating
XX inflammation, organ failure, atherosclerosis, cardiac injury,
XX infertility, birth defects, premature aging, acquired immunodeficiency
XX syndrome, or cancer.
XX
XX Claim 12; Fig 24; 637pp; English.
XX

CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or PFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems,
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC the USPTO website at seqdata.uspto.gov.

XX Sequence 285' AA:

Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCIKRREMKIKCVSILPRKSPSRSSKDKLAAATLLALSCC 60
 DB 1 MDSTREOSRLTSCIKRREMKIKCVSILPRKSPSRSSKDKLAAATLLALSCC 60
 QY 61 LTVVSFYQVAAALQGDILASLRAELQGHNAEKLPAAGAPKAGLEAPVATAGIKTPEPPAP 120
 DB 61 LTVVSFYQVAAALQGDILASLRAELQGHNAEKLPAAGAPKAGLEAPVATAGIKTPEPPAP 120
 QY 121 GENSNSQNRKRAVGPETVTDCLQIADSEPTTQKSGYTVPMILSKRSALFE 180
 DB 121 GENSNSQNRKRAVGPETVTDCLQIADSEPTTQKSGYTVPMILSKRSALFE 180
 QY 181 KEKKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHFVGGELSLVTLFRCTIQMPPETL 240
 DB 181 KEKKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHFVGGELSLVTLFRCTIQMPPETL 240
 QY 241 PNNSCYSAGIAKLEBDEQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBDEQLAIPRENAQISLDGVTFFGALKL 285

RESULT 192
 ID ADD87021 standard; protein; 285 AA.
 XX ADD87021;
 AC ADD87021;
 XX 29-JAN-2004 (first entry)
 DT 29-JAN-2004 (first entry)
 XX Human PRO polypeptide #12.
 DS Human PRO polypeptide #12.
 XX Human PRO polypeptide #12.
 KM Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; pericyte cells; PFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX Homo sapiens.
 XX US2003203439-A1.
 XX 30-OCT-2003.
 XX 17-MAY-2002; 2002US-00147499.
 XX 04-AUG-1998; 98US-0095301P.
 XX 02-JUN-1999; 99WO-US012252.
 XX 30-MAR-2000; 2000US-00380137.
 XX 30-MAR-2000; 2000WO-US008439.
 XX 01-DEC-2000; 2000WO-US032678.
 XX 19-DEC-2001; 2001US-00028072.
 XX (GENTH) GENENTECH INC.
 XX Baker KP, Bersini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2004-021362/02.
 XX N-PSDB; ADD87020.
 XX New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or
 PT PRO4978, useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 PS Claim 12; Fig 24; 648bp; English.
 XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or PFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems,
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.

SO Sequence 285 AA:

Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGRLTSCILKKREEMKKECVSILPKESPVSRSODGKTLATLLALSSCC 60
1 MDSTTEREGRLTSCILKKREEMKKECVSILPKESPVSRSODGKTLATLLALSSCC 60
Db 1 MDSTTEREGRLTSCILKKREEMKKECVSILPKESPVSRSODGKTLATLLALSSCC 60
QY 61 LTVVSTFYQVAALQGDIALSLPAELIQGHAEKLPAGAPAPAGLEADPAVTAAGLKIPEPPAP 120
61 LTVVSTFYQVAALQGDIALSLPAELIQGHAEKLPAGAPAPAGLEADPAVTAAGLKIPEPPAP 120
Db 61 LTVVSTFYQVAALQGDIALSLPAELIQGHAEKLPAGAPAPAGLEADPAVTAAGLKIPEPPAP 120
QY 121 GEENSSONSBNKRAVGPETVTQDCIQLIADSETPTIQGSLTFYPMILSPKGSALBE 180
121 GEENSSONSBNKRAVGPETVTQDCIQLIADSETPTIQGSLTFYPMILSPKGSALBE 180
Db 121 GEENSSONSBNKRAVGPETVTQDCIQLIADSETPTIQGSLTFYPMILSPKGSALBE 180
QY 181 KENKILVETGYEFPYQGVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
181 KENKILVETGYEFPYQGVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
Db 181 KENKILVETGYEFPYQGVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDEIOLAPRENAQISLDGVTTFGALKTL 285
241 PNNSCYSAGIAKLEEGDEIOLAPRENAQISLDGVTTFGALKTL 285
Db 241 PNNSCYSAGIAKLEEGDEIOLAPRENAQISLDGVTTFGALKTL 285

RESULT 193

ADE88887
ID ADE88887 standard; protein: 285 AA.

AC ADE88887;
XX 29-JAN-2004 (first entry)
XX Human PRO polypeptide #12.
DE Human PRO polypeptide #12.

KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; xome disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
KW immune system cell infiltration.

OS Homo sapiens.

XX US2003199062-A1.

XX 23-OCT-2003.

PF 17-APR-2002; 2002US-00124823.

XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 14-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.

PR 10-MAR-1999; 99WO-US005190.
PR 10-MAR-1999; 2000WO-US006319.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010753.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US028214.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028651.
PR 02-DEC-1999; 99WO-US028651.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US0220710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023352.
PR 24-AUG-2000; 2000WO-US023352.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US047259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US0796498.
PR 28-FEB-2001; 2001WO-US006530.
PR 01-MAR-2001; 2001WO-US006656.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 01-JUN-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882536.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.

PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001MO-US020116.
 PR 29-JUN-2001; 2001MO-US021066.
 PR 09-JUL-2001; 2001MO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GETH) GENENTECH INC.
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Geritsen ME, Goddard A, Godowski PJ, Gunney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX N-PSDB; ADB88886.
 DR WPI, 2004-041360/04.
 XX Novel isolated PRO polypeptide useful for treating diabetes, hyper- or
 PT hypo-insulinemia, sports injuries, arthritis, obesity, stroke, heart
 PT attack, various coagulation disorders, tumors.
 XX Claim 12; SEQ ID NO 24; 638bp; English.
 XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumor necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems. PRO
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.
 XX
 XX Sequence 285 AA;
 Query Match 100.0%; Score 1451; DB 8; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.3e-144;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 121 GEGNSSONSRRKAAVGPPEETVTDCLQIADSEPTIQRKGSYFVPMILSPKSGALAE 180
 DB 121 GEGNSSONSRRKAAVGPPEETVTDCLQIADSEPTIQRKGSYFVPMILSPKSGALAE 180
 QY 181 KENKILVETGYFTTIGQVLYTDKTYAMGHLIQRKVVHFGDELSTVTLPRCIQNPETL 240
 DB 181 KENKILVETGYFTTIGQVLYTDKTYAMGHLIQRKVVHFGDELSTVTLPRCIQNPETL 240
 QY 241 PNNSCYSAGIAKLEEGDELQAIPEMAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEEGDELQAIPEMAQISLDGDTFFGALKL 285
 RESULT 194
 ADE18026
 ID ADE18026 standard; protein; 285 AA.
 XX
 AC ADE18026;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Human PRO polypeptide #12.
 XX
 KM Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 PN US2003194794-A1.
 PD 16-OCT-2003.
 XX
 PP 17-APR-2002; 2002US-00125805.
 XX
 PR 31-MAR-1997; 97MO-US005230.
 PR 12-JUN-1998; 98MO-US012456.
 PR 14-JUL-1998; 98MO-US014552.
 PR 28-AUG-1998; 98MO-US017888.
 PR 10-SEP-1998; 98MO-US018824.
 PR 14-SEP-1998; 98MO-US019093.
 PR 14-SEP-1998; 98MO-US019094.
 PR 14-SEP-1998; 98MO-US019177.
 PR 14-SEP-1998; 98MO-US019330.
 PR 17-SEP-1998; 98MO-US019437.
 PR 07-OCT-1998; 98MO-US021141.
 PR 29-OCT-1998; 98MO-US022991.
 PR 29-OCT-1998; 98MO-US022992.
 PR 20-NOV-1998; 98MO-US024855.
 PR 01-DEC-1998; 98MO-US025108.
 PR 05-JAN-1999; 99MO-US000106.
 PR 08-MAR-1999; 99MO-US005028.
 PR 10-MAR-1999; 99MO-US005190.
 PR 20-APR-1999; 2000MO-US006319.
 PR 20-APR-1999; 99MO-US006815.
 PR 14-MAY-1999; 99MO-US010733.
 PR 02-JUN-1999; 99MO-US012252.
 PR 01-SEP-1999; 99MO-US020111.
 PR 08-SEP-1999; 99MO-US020594.
 PR 13-SEP-1999; 99MO-US020944.
 PR 15-SEP-1999; 99MO-US021090.
 PR 15-SEP-1999; 99MO-US021547.
 PR 05-OCT-1999; 99MO-US023089.
 PR 29-NOV-1999; 99MO-US028214.
 PR 30-NOV-1999; 99MO-US028313.
 PR 30-NOV-1999; 99MO-US028409.

PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US004914.
PR 01-MAR-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882536.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX
PA (GBTH) GENENTECH INC.
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2004-0201079/02.
DR N-PSDB; ADE18025.
XX
PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO114 or
PT PRO4978, for use in molecular biology, chromosome and gene mapping, in
XX generating antisense RNA and DNA, and in gene therapy.
XX
PS Claim 12; SEQ ID NO 24; 638bp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC transmembrane polypeptides are useful in molecular biology, including uses as
CC polypeptide probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems, PRO
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 285 AA;

Query Match 100.0%; Score 1451; DB 8; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,3e-144;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTFRQSLTGTCLKREEMKKECVSILRPSSPVRSKXGKLLAATLLALSSCC 60
DB 1 MDDSTFRQSLTGTCLKREEMKKECVSILRPSSPVRSKXGKLLAATLLALSSCC 60
QY 61 LTVVSFYVVALQGLDLSIRAELOGHNAEKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYVVALQGLDLSIRAELOGHNAEKIPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRRAVQGEPEFTVTDCLDLINDETPTIQKSYTFVPMILSFKGSALAE 180
DB 121 GEGNSQNSRKRRAVQGEPEFTVTDCLDLINDETPTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLYTDKTYAMGHLIQKKYVAFDELSLVTLFFCQIMPEPTL 240
DB 181 KENKILVETGTFYFGVLYTDKTYAMGHLIQKKYVAFDELSLVTLFFCQIMPEPTL 240
QY 241 PNNSCYSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKLL 285

RESULT 195

AD88335
ID ADE88335 standard; protein; 285 AA.
XX ADE88335;
AC
XX
XX 29-JAN-2004 (first entry)
DT
XX
XX Human PRO polypeptide #12.
DE
XX
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
KW immune system cell infiltration.
XX
XX Homo sapiens.
OS
XX
XX US2003199054-A1.
PN
XX
XX 23-OCT-2003.
PD
XX
XX 12-APR-2002; 2002US-00121054.
PF
XX
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 16-SEP-1998; 98WO-US019177.
PR 17-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98WO-US021144.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 98WO-US000106.
PR 08-MAR-1999; 98WO-US005028.
PR 10-MAR-1999; 98WO-US005199.
PR 10-APR-1999; 2000WO-US006319.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020594.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 22-DEC-1999; 99WO-US030999.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
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PR 15-MAR-2000; 2000WO-US005884.
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PR 21-MAR-2000; 2000WO-US007532.
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PR 24-AUG-2000; 2000WO-US023328.
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PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00860328.
PR 25-MAY-2001; 2001US-0086034.
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PR 09-JUL-2001; 2001US-00908827.
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PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerritsen ME, Goddard A, Godowski PJ, Guirney AU, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2004-041356/04.
XX N-PSDB; ADE88334.
XX
XX Novel secreted and transmembrane polypeptides, PRO useful for treating
PT bone disorders, arthritis, heart attack, injuries, tumors, and
PT stimulating release of TNF-alpha from human blood.
XX
XX
XX Claim 12; SEQ ID NO 24; 638pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO

polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medication for treating a condition responsive to the polypeptides or antibodies, such as tumours, for stimulating and inhibiting proliferation of human microvascular endothelial cells, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating differentiation of adipocyte cells, for stimulating proliferation of or gene expression in pericyte cells, for stimulating the proliferation of inner ear utricular supporting cells or T-lymphocyte cells, for inducing endothelial cell tube formation and for treating various bone and/or cartilage disorders such as sports injuries and arthritis. PRO polypeptides which stimulate the release of proteoglycans from cartilage are useful for treating sports-related joint problems, PRO articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassemias and conditions which may benefit from enhanced local immune system cell infiltration. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.

SQ Sequence 285 AA:

Query Match 100.0%; Score 1451; DB 8; Length 285;

Best Local Similarity 100.0%; Pred. No. 1.3e-144; Mismatches 0; Gaps 0;

Matches 285; Conservative 0; Indels 0;

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DB	241	PNNCSYAGIAKLEEGDELQAIAPRENAQTSLOGDVTFFGALKLL	285

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OM protein - protein search, using sw model

Run on: August 25, 2004, 15:19:26 ; Search time 52 Seconds
(without alignments)
1724.321 Million cell updates/sec

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Searched: 1297172 seqs, 314612898 residues
Total number of hits satisfying chosen parameters: 473

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Post-processing: Minimum Match 100%
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Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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254	1451	100.0	285	14	US-10-216-074-2	Sequence 2	Appl	327	1451	100.0	285	14	US-10-152-887-24	Sequence 24	Appl
255	1451	100.0	285	14	US-10-127-8404-24	Sequence 24	Appl	328	1451	100.0	285	14	US-10-152-889-24	Sequence 24	Appl
256	1451	100.0	285	14	US-10-142-424-24	Sequence 24	Appl	329	1451	100.0	285	14	US-10-152-890-24	Sequence 24	Appl
257	1451	100.0	285	14	US-10-142-761-24	Sequence 24	Appl	330	1451	100.0	285	14	US-10-152-932-24	Sequence 24	Appl
258	1451	100.0	285	14	US-10-142-763-24	Sequence 24	Appl	331	1451	100.0	285	14	US-10-153-756-24	Sequence 24	Appl
259	1451	100.0	285	14	US-10-142-765-24	Sequence 24	Appl	332	1451	100.0	285	14	US-10-157-779-24	Sequence 24	Appl
260	1451	100.0	285	14	US-10-142-887-24	Sequence 24	Appl	333	1451						

[illegible]

ALIGNMENTS

Query Match	100.0%;	Score 1451;	DB 8;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches	285;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;


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QY 1 MDDSTEREQSLTSCIKREEMKKECVSILPRKSPSVRSXOGKLLAATLLALLSCC 60
Db 1 MDDSTEREQSLTSCIKREEMKKECVSILPRKSPSVRSXOGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEEPPAP 120
Db 61 LTVVSFYQVAAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVYODCLQIADSEPTIIOGSGYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGEETVYODCLQIADSEPTIIOGSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285

```

RESULT 2

```

US-09-193-663-2
; Sequence 2, Application US/09193663
; Patent No. US20020055624A1
; GENERAL INFORMATION:
; APPLICANT: Waley, Steven R.
; TITLE OF INVENTION: TNF-DELTA LIGAND AND USES THEREOF
; FILE REFERENCE: 6255.US.02
; CURRENT APPLICATION NUMBER: US/09/193,663
; EARLIER FILING DATE: 1998-11-17
; EARLIER APPLICATION NUMBER: 60/065,916
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-663-2

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Query Match 100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No.3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSLTSCIKREEMKKECVSILPRKSPSVRSXOGKLLAATLLALLSCC 60
Db 1 MDDSTEREQSLTSCIKREEMKKECVSILPRKSPSVRSXOGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEEPPAP 120
Db 61 LTVVSFYQVAAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVYODCLQIADSEPTIIOGSGYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGEETVYODCLQIADSEPTIIOGSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285

```

RESULT 3

```

US-09-877-156-1
; Sequence 1, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley

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; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; PRIOR FILING DATE: 1998-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-877-156-1

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```

Query Match 100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No.3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSLTSCIKREEMKKECVSILPRKSPSVRSXOGKLLAATLLALLSCC 60
Db 1 MDDSTEREQSLTSCIKREEMKKECVSILPRKSPSVRSXOGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEEPPAP 120
Db 61 LTVVSFYQVAAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSQNSRNKRAVQGEETVYODCLQIADSEPTIIOGSGYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGEETVYODCLQIADSEPTIIOGSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285

```

RESULT 4

```

US-09-879-919-23
; Sequence 23, Application US/09879919
; Patent No. US20020064829A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang, et al.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
; FILE REFERENCE: P253P1
; CURRENT APPLICATION NUMBER: US/09/879,919
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,978
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/254,875
; PRIOR FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/241,952
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/211,537
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 08/815,783
; PRIOR FILING DATE: 1997-03-12
; PRIOR APPLICATION NUMBER: 60/016,812
; PRIOR FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-879-919-23

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Query Match          100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLTSCIKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALSSCC 60
DB 1 MDDSTEREGSRLTSCIKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALSSCC 60
QY 61 LTVASFYVVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVASFYVVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 5
US-09-929-493-2
; Sequence 2, Application US/09929493
; Patent No. US2002011512A1
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
; FILE REFERENCE: P2343P4
; CURRENT APPLICATION NUMBER: US/09/929,493
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/222,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/240,806
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/250,020
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/296,122
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/304,809
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-929-493-2

Query Match          100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLTSCIKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALSSCC 60
DB 1 MDDSTEREGSRLTSCIKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALSSCC 60
QY 61 LTVASFYVVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVASFYVVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

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QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 6
US-09-779-050A-2
; Sequence 2, Application US/09779050A
; Patent No. US20020160416A1
; GENERAL INFORMATION:
; APPLICANT: BOYLE, WILLIAM
; APPLICANT: HSU, HAILING
; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
; FILE REFERENCE: A-570B
; CURRENT APPLICATION NUMBER: US/09/779,050A
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/181,800
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-779-050A-2

Query Match          100.0%; Score 1451; DB 9; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLTSCIKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALSSCC 60
DB 1 MDDSTEREGSRLTSCIKREEMKKECVSILPRKESPSVRSXKDKLAAATLLALSSCC 60
QY 61 LTVASFYVVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVASFYVVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIQQGSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHLIQKKYHVFGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 7
US-09-302-863-4
; Sequence 4, Application US/09302863
; Publication No. US20030022233A1
; GENERAL INFORMATION:
; APPLICANT: Goodwin, Raymond G
; APPLICANT: Ditt, Manwan S.
; TITLE OF INVENTION: METHODS OF USE OF THE TACI/TACI-1 INTERACTION
; FILE REFERENCE: 2519
; CURRENT APPLICATION NUMBER: US/09/302,863
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4

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LENGTH: 285
TYPE: PRT
ORGANISM: Human
US-09-302-863-4

Query Match 100.0%; Score 1451; DB 10; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRALQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRALQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQSGYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQSGYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 8
US-09-880-748-3228
Sequence 3228, Application US/09880748
Publication No. US2003005937A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3228
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-09-880-748-3228

Query Match 100.0%; Score 1451; DB 10; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRALQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRALQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQSGYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQSGYTFVPMILSFKRGSALAE 180
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 9
US-09-932-613-173
Sequence 173, Application US/09932613
Publication No. US20030091565A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
APPLICANT: Belzter, James P.
APPLICANT: Potter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
FILE REFERENCE: DXX-025.1 PCT; DXX-025.1 US
CURRENT APPLICATION NUMBER: US/09/932,613
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patentin version 3.1
SEQ ID NO 173
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-932-613-173

Query Match 100.0%; Score 1451; DB 10; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRALQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRALQGHHAELPKAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQSGYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQSGYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 10
US-09-855-564-4
Sequence 4, Application US/0985564
Publication No. US20030165986A1
GENERAL INFORMATION:
APPLICANT: Goodwin, Raymond G
APPLICANT: Dan, Warner S.
TITLE OF INVENTION: METHODS OF USE OF THE TACI/TACI-L INTERACTION
FILE REFERENCE: 2319
CURRENT APPLICATION NUMBER: US/09/855,564
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 09/302,863
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4

LENGTH: 285
 TYPE: PRT
 ORGANISM: Human
 US-09-855-564-4

Query Match 100.0%; Score 1451; DB 10; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRRLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 DB 1 MDDSTERQSRRLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 QY 61 LTVVSFYQVVALQGDLSIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQQKSYTFVPMILSPKGSALAE 180
 DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQQKSYTFVPMILSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHVFGEDELSTVTLFRCIQNMPE 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHVFGEDELSTVTLFRCIQNMPE 240
 QY 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGVTFFGALKLL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 11

US-09-932-322-173
 Sequence 173, Application US/09932322
 Publication No. US20030194743A1
 GENERAL INFORMATION:
 APPLICANT: Dyax Corp.
 APPLICANT: Belitzer, James P.
 APPLICANT: Potter, M. Daniel
 APPLICANT: Fleming, Tony J.
 APPLICANT: Laderer, Robert Charles
 TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLYS)
 FILE REFERENCE: DEX-018.1 PCT: DEX-018.1 US
 CURRENT APPLICATION NUMBER: US/09/932,322
 CURRENT FILING DATE: 2001-08-17
 NUMBER OF SEQ ID NOS: 458
 SOFTWARE: Patentin version 3.1
 SEQ ID NO 173
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-09-932-322-173

Query Match 100.0%; Score 1451; DB 10; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRRLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 DB 1 MDDSTERQSRRLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 QY 61 LTVVSFYQVVALQGDLSIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQQKSYTFVPMILSPKGSALAE 180
 DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQQKSYTFVPMILSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHVFGEDELSTVTLFRCIQNMPE 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHVFGEDELSTVTLFRCIQNMPE 240
 QY 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGVTFFGALKLL 285

DB 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 12

US-10-147-493-24
 Sequence 24, Application US/10147493
 Publication No. US20040029217A1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerlisen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tamas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C345
 CURRENT APPLICATION NUMBER: US/10/147,493
 CURRENT FILING DATE: 2002-05-17
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-10-147-493-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRRLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 DB 1 MDDSTERQSRRLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
 QY 61 LTVVSFYQVVALQGDLSIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQQKSYTFVPMILSPKGSALAE 180
 DB 121 GEGNSSQNSRNKRAVQPEETVTDCLQIADSEPTIQQKSYTFVPMILSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHVFGEDELSTVTLFRCIQNMPE 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXVHVFGEDELSTVTLFRCIQNMPE 240
 QY 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGVTFFGALKLL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 13

US-10-145-127-24
 Sequence 24, Application US/10145127
 Publication No. US2004003558A1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc

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APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C252
CURRENT APPLICATION NUMBER: US/10/145,127
CURRENT FILING DATE: 2002-05-13
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-127-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
QY 121 GEGNSQNSNRKRAVQGPBEETVODCQLIADSEPTTIQGSYTFVFWMLSPKGSALBE 180
DB 121 GEGNSQNSNRKRAVQGPBEETVODCQLIADSEPTTIQGSYTFVFWMLSPKGSALBE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTFRCIQNNPEPL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTFRCIQNNPEPL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTVFAGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTVFAGALKLL 285

RESULT 14
US-10-160-503-24
; Sequence 24, Application US/10160503
; Publication No. US2004003559A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C446
CURRENT APPLICATION NUMBER: US/10/160,503
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-160-503-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
DB 61 LTVVSFYQVAAALQGDLSLPAELQGHHAETLPAGAGAPKAGLEAPAVTAGLTFEPAP 120
QY 121 GEGNSQNSNRKRAVQGPBEETVODCQLIADSEPTTIQGSYTFVFWMLSPKGSALBE 180
DB 121 GEGNSQNSNRKRAVQGPBEETVODCQLIADSEPTTIQGSYTFVFWMLSPKGSALBE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTFRCIQNNPEPL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSTVTFRCIQNNPEPL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTVFAGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTVFAGALKLL 285

RESULT 15
US-10-143-118-24
; Sequence 24, Application US/10143118
; Publication No. US2004003835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C228
CURRENT APPLICATION NUMBER: US/10/143,118
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-118-24

Query Match      100.0%; Score 1451; DB 12; Length 285;

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Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLILALSSC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLILALSSC 60

QY 61 LTVVSFYQVAAQGLASIRAFELQGHNAEKLPAAGAPKALEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAAQGLASIRAFELQGHNAEKLPAAGAPKALEBAPAVTAGLKIFEEPPAP 120

QY 121 GEGNSQSRNRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVFWMLSPKRGSALEE 180
DB 121 GEGNSQSRNRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVFWMLSPKRGSALEE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 16
US-10-144-993-24
; Sequence 24, Application US/10144993
; Publication No. US20040039336A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C261
; CURRENT APPLICATION NUMBER: US/10/144,993
; CURRENT FILING DATE: 2002-05-13
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-144-993-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 121 GEGNSQSRNRKRAVQGPETVTQDCLQIADSEPTIQKSYTFVFWMLSPKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKLL 285

RESULT 17
US-10-158-787-24
; Sequence 24, Application US/10158787
; Publication No. US20040039164A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C449
; CURRENT APPLICATION NUMBER: US/10/158,787
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-158-787-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLILALSSC 60
DB 1 MDSTREOSRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLILALSSC 60

Page 11

APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillen, Kenneth J.
 APPLICANT: Marsters, Scot A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Stephan, Jean-Philippe F.
 APPLICANT: Wetanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Williams, P. Mackey
 APPLICANT: Ye, Weilan
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
 FILE REFERENCE: P3235P1
 CURRENT APPLICATION NUMBER: US/10/081,056
 CURRENT FILING DATE: 2002-02-20
 PRIOR APPLICATION NUMBER: DCT/09/1/71725

PRIOR APPLICATION NUMBER:	US 60/219,556
PRIOR FILING DATE:	2000-07-20
PRIOR APPLICATION NUMBER:	US 60/220,624
PRIOR FILING DATE:	2000-07-25
PRIOR APPLICATION NUMBER:	US 60/220,664
PRIOR FILING DATE:	2000-07-25
PRIOR APPLICATION NUMBER:	PCr/US00/0,20710
PRIOR FILING DATE:	2000-07-28
PRIOR APPLICATION NUMBER:	US 60/222,695
PRIOR FILING DATE:	2000-08-02
PRIOR APPLICATION NUMBER:	US 09/643,657
PRIOR FILING DATE:	2000-08-17
PRIOR APPLICATION NUMBER:	PCr/US00/2,352
PRIOR FILING DATE:	2000-08-24
PRIOR APPLICATION NUMBER:	PCr/US00/2,3328
PRIOR FILING DATE:	2000-08-24
PRIOR APPLICATION NUMBER:	US 60/230,978
PRIOR FILING DATE:	2000-09-07
PRIOR APPLICATION NUMBER:	US 60/000,000

PRIOR APPLICATION NUMBER: US 09/664,610
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 09/665,350
PRIOR FILING DATE: 2000-09-18

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PRIORITY APPLICATION NUMBER: US 60/242,922
PRIORITY FILING DATE: 2000-10-24
PRIORITY APPLICATION NUMBER: US 09/709,238
PRIORITY FILING DATE: 2000-11-08
PRIORITY APPLICATION NUMBER: PCT/US00/309522
PRIORITY FILING DATE: 2000-11-08
PRIORITY APPLICATION NUMBER: PCT/US00/30873
PRIORITY FILING DATE: 2000-11-10
PRIORITY APPLICATION NUMBER: PCT/US00/32678
PRIORITY FILING DATE: 2000-12-01
PRIORITY APPLICATION NUMBER: US 09/747,259
PRIORITY FILING DATE: 2000-12-20
PRIORITY APPLICATION NUMBER: PCT/US00/34956
PRIORITY FILING DATE: 2000-12-20
PRIORITY APPLICATION NUMBER: US 09/767,609
PRIORITY FILING DATE: 2001-01-22
PRIORITY APPLICATION NUMBER: US 09/796,498
PRIORITY FILING DATE: 2001-02-28
PRIORITY APPLICATION NUMBER: PCT/US01/06520

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PRIOR FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: US 09/802,706
 PRIOR FILING DATE: 2001-03-09
 PRIOR APPLICATION NUMBER: US 09/808,689
 PRIOR FILING DATE: 2001-03-14
 PRIOR APPLICATION NUMBER: US 09/816,744
 PRIOR FILING DATE: 2001-03-22
 PRIOR APPLICATION NUMBER: US 09/828,366
 PRIOR FILING DATE: 2001-04-05
 PRIOR APPLICATION NUMBER: US 09/854,208


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/ PRIOR FILING DATE: 2001-05-10
/ PRIOR APPLICATION NUMBER: US 09/854,280
/ PRIOR FILING DATE: 2001-05-10
/ PRIOR APPLICATION NUMBER: US 09/866,028
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 09/866,034
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: PCT/US01/17092
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 09/870,574
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: PCT/US01/17443
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: PCT/US01/17800
/ PRIOR FILING DATE: 2001-06-01
/ PRIOR APPLICATION NUMBER: PCT/US01/19692
/ PRIOR FILING DATE: 2001-06-20
/ PRIOR APPLICATION NUMBER: PCT/US01/00000
/ PRIOR FILING DATE: 2001-06-28
/ NUMBER OF SEQ ID NOS: 383
/ SEQ ID NO 98
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-081-056-98

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSLCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60
DB 1 MDSTREOSRLTSLCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60

QY 61 LTVSFFQVAAIQDGLASRLAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAAIQDGLASRLAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVFWMLSPFRGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVFWMLSPFRGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVHGDLSLVTLPFCIONMPEYL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVHGDLSLVTLPFCIONMPEYL 240

QY 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 20
US-10-140-024-24
/ Sequence 24, Application US/10140024
/ Publication No. US20040059424A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerlitsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
```

```
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C69
/ CURRENT APPLICATION NUMBER: US/10/140,024
/ CURRENT FILING DATE: 2002-05-06
/ Prior Application removed - See Palm or File Wrapper
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-024-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREOSRLTSLCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60
DB 1 MDSTREOSRLTSLCKREEMKKECVSILPRKSPSVSSXOGKLAATLLALLSCC 60

QY 61 LTVSFFQVAAIQDGLASRLAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAAIQDGLASRLAELOGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVFWMLSPFRGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVFWMLSPFRGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVHGDLSLVTLPFCIONMPEYL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKXHVHGDLSLVTLPFCIONMPEYL 240

QY 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 21
US-10-140-808-24
/ Sequence 24, Application US/10140808
/ Publication No. US20030017563A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerlitsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C182
/ CURRENT APPLICATION NUMBER: US/10/140,808
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-808-24
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Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 22
US-10-152-405-24
; Sequence 24, Application US/10152405
; Publication No. US20030211571A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCES: P330301C383
; CURRENT APPLICATION NUMBER: US/10/152,405
; CURRENT FILING DATE: 2002-05-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-152-405-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 22
US-10-152-405-24
; Sequence 24, Application US/10152405
; Publication No. US20030211571A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCES: P330301C383
; CURRENT APPLICATION NUMBER: US/10/152,405
; CURRENT FILING DATE: 2002-05-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-152-405-24
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Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 23
US-10-127-852A-24
; Sequence 24, Application US/10127852A
; Publication No. US20030203428A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCES: P330301C38
; CURRENT APPLICATION NUMBER: US/10/127,852A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-852A-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
DB 61 LTVVSFYQVAAIQGDIASIPAEIQGHAEKLPAGAGAPKAGLEAPAYTAGIKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNRKAVQGPETVTQDCLQIADSEPTTIQKSYTFVPMILSFKGSALBE 180
QY 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEGTGYFFITGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 23
US-10-127-852A-24
; Sequence 24, Application US/10127852A
; Publication No. US20030203428A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCES: P330301C38
; CURRENT APPLICATION NUMBER: US/10/127,852A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-852A-24
```

Db 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSXKDGKLLATLLALSSC 60
Qy 61 LTVVSFYQVALQGDLLASRLAELOGHNAEKLPAAGAPAKGAEAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVALQGDLLASRLAELOGHNAEKLPAAGAPAKGAEAPAVTAGLKIFEPAP 120
Qy 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
Qy 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Qy 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285

RESULT 24
US-10-127-900A-24
Sequence 24, Application US/10127900A
Publication No. US20030203429A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C16
CURRENT APPLICATION NUMBER: US/10/127,900A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-900A-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSXKDGKLLATLLALSSC 60
Db 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPVSXKDGKLLATLLALSSC 60
Qy 61 LTVVSFYQVALQGDLLASRLAELOGHNAEKLPAAGAPAKGAEAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVALQGDLLASRLAELOGHNAEKLPAAGAPAKGAEAPAVTAGLKIFEPAP 120
Qy 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
Qy 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEL 240
Qy 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQAIIPRENAQISLDGDVTFFGALKL 285

RESULT 25
US-10-128-685A-24
Sequence 24, Application US/10128685A
Publication No. US20030203430A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C16
CURRENT APPLICATION NUMBER: US/10/128,685A
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19

US-10-142-886-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLTFEPAP 120
DB 61 LTVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLTFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIQSGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIQSGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285

RESULT 28

US-10-146-728-24
Sequence 24, Application US/10146728
Publication No. US20030203437A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoye, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C321
CURRENT APPLICATION NUMBER: US/10/146,728
CURRENT FILING DATE: 2002-05-15
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-728-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLTFEPAP 120
DB 61 LTVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLTFEPAP 120

QY 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIQSGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIQSGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285

RESULT 29

US-10-146-786-24
Sequence 24, Application US/10146786
Publication No. US20030203438A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoye, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C313
CURRENT APPLICATION NUMBER: US/10/146,786
CURRENT FILING DATE: 2002-05-15
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-786-24

Query Match 100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
QY 61 LTVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLTFEPAP 120
DB 61 LTVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLTFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIQSGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNSRNKRAVQGPETVTQDCQLIADSEPTIQSGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKQVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKLL 285

```
RESULT 30
US-10-147-499-24
/ Sequence 24, Application US/10147499
/ Publication No. US20030203439A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerlitsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C348
/ CURRENT APPLICATION NUMBER: US/10/147,499
/ CURRENT FILING DATE: 2002-05-17
/ Prior Application removed - See file Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-147-499-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQRSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60

QY 61 LTVVSFYQVAALQGDPLASRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDPLASRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120

QY 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKRGSALEE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240

QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 31
US-10-157-798-24
/ Sequence 24, Application US/10157798
/ Publication No. US20030203440A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerlitsen, Mary E.
```

```
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C443
/ CURRENT APPLICATION NUMBER: US/10/157,798
/ CURRENT FILING DATE: 2002-05-29
/ Prior Application removed - See file Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-157-798-24

Query Match      100.0%; Score 1451; DB 12; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQRSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60

QY 61 LTVVSFYQVAALQGDPLASRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDPLASRAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120

QY 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSQNSRNRKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKRGSALEE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSVTLFRQIONMPEETL 240

QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 32
US-10-279-687-2
/ Sequence 2, Application US/10279687
/ Publication No. US20030211509A1
/ GENERAL INFORMATION:
/ APPLICANT: Abbott Laboratories
/ APPLICANT: Wiley, Steven R.
/ TITLE OF INVENTION: TNF-DELTA LIGAND AND USES THEREOF
/ FILE REFERENCE: 6255 US C2
/ CURRENT APPLICATION NUMBER: US/10/279,687
/ CURRENT FILING DATE: 2002-10-24
/ PRIOR APPLICATION NUMBER: US 10/105,738
/ PRIOR FILING DATE: 2002-03-25
/ PRIOR APPLICATION NUMBER: US 09/193,663
/ PRIOR FILING DATE: 1998-11-17
/ PRIOR APPLICATION NUMBER: US 60/065,916
/ PRIOR FILING DATE: 1997-11-17
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: Fasts3Q for Windows Version 4.0
/ SEQ ID NO 2
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-279-687-2
```

Query Match 100.0%; Score 1451; DB 12; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKSPSVRSXKQKLLAATLILALSSC 60
 DB 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKSPSVRSXKQKLLAATLILALSSC 60
 QY 61 LTVVSFYQVAAALQDGLASIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYQVAAALQDGLASIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GGNSSQNSRNKRAVQGPBEETVODCLQIADSEPTIIOKSYTFVFWMLISFRGSALEE 180
 DB 121 GGNSSQNSRNKRAVQGPBEETVODCLQIADSEPTIIOKSYTFVFWMLISFRGSALEE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 33
 US-10-293-418-3228
 ; Sequence 3228, Application US/10293418
 ; Publication No. US20030223996A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind B1ys
 ; FILE REFERENCE: PFS23P2
 ; CURRENT APPLICATION NUMBER: US/10/293,418
 ; PRIOR FILING DATE: 2002-11-27
 ; PRIOR APPLICATION NUMBER: 60/331,469
 ; PRIOR FILING DATE: 2001-11-16
 ; PRIOR APPLICATION NUMBER: 60/340,817
 ; PRIOR FILING DATE: 2001-12-19
 ; PRIOR APPLICATION NUMBER: 09/880,748
 ; PRIOR FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; PRIOR FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2000-06-16
 ; NUMBER OF SEQ ID NOS: 3247
 ; SEQ ID NO 3228
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-293-418-3228

Query Match 100.0%; Score 1451; DB 12; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKSPSVRSXKQKLLAATLILALSSC 60
 DB 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKSPSVRSXKQKLLAATLILALSSC 60
 QY 61 LTVVSFYQVAAALQDGLASIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYQVAAALQDGLASIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GGNSSQNSRNKRAVQGPBEETVODCLQIADSEPTIIOKSYTFVFWMLISFRGSALEE 180
 DB 121 GGNSSQNSRNKRAVQGPBEETVODCLQIADSEPTIIOKSYTFVFWMLISFRGSALEE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 34
 US-10-305-654-98
 ; Sequence 98, Application US/10305654
 ; Publication No. US20030224984A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Geider, Hans-Peter
 ; APPLICANT: Gerlitsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Masters, Scott A.
 ; APPLICANT: Pan, J.
 ; APPLICANT: Paonli, N. F.
 ; APPLICANT: Stephan, J-P F.
 ; APPLICANT: Watanabe, C.K.
 ; APPLICANT: Wood, W.I.
 ; APPLICANT: Williams, P.M.
 ; APPLICANT: Ye, Weilan
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 ; TITLE OF INVENTION: TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
 ; FILE REFERENCE: P235R1C1
 ; CURRENT APPLICATION NUMBER: US/10/305,654
 ; PRIOR FILING DATE: 2002-11-26
 ; NUMBER OF SEQ ID NOS: 383
 ; SEQ ID NO 98
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homosapiens
 US-10-305-654-98

Query Match 100.0%; Score 1451; DB 12; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKSPSVRSXKQKLLAATLILALSSC 60
 DB 1 MDSTEREQSRLTSCCKREEMKKECVSILPRKSPSVRSXKQKLLAATLILALSSC 60
 QY 61 LTVVSFYQVAAALQDGLASIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYQVAAALQDGLASIRAELOQHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GGNSSQNSRNKRAVQGPBEETVODCLQIADSEPTIIOKSYTFVFWMLISFRGSALEE 180
 DB 121 GGNSSQNSRNKRAVQGPBEETVODCLQIADSEPTIIOKSYTFVFWMLISFRGSALEE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGEDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 35
 US-10-028-072-24
 ; Sequence 24, Application US/10028072
 ; Publication No. US20030004311A1
 ; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028,072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/066974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062285
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062814
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/062816
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063082
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063337
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063339
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29

PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081655
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323

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; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086414
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086430
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088730
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088741
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

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Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
;
QY 1 MDDSTERQSRJLTSCLKREEMKJKECVSILPRESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRJLTSCLKREEMKJKECVSILPRESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKI FEEBPAP 120
DB 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKI FEEBPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTI QKGSYTFVPMILSFKGSALEE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTI QKGSYTFVPMILSFKGSALEE 180
QY 181 KENKILVETGTFYFGVLYTDTKYAMGHLIQRKXKAVFDELSLVTLPFCIONMPEPTL 240
DB 181 KENKILVETGTFYFGVLYTDTKYAMGHLIQRKXKAVFDELSLVTLPFCIONMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQALIPRENAQISLDGVTFFGALKLL 285

```

```

DB 241 PNNSCYSAGIAKLEBGDELQALIPRENAQISLDGVTFFGALKLL 285
;
RESULT 36
US-10-068-725-5
; Sequence 5, Application US/10068725
; Publication No. US20030012783A1
; GENERAL INFORMATION:
; APPLICANT: Kindsvogel, Wayne
; TITLE OF INVENTION: Antibodies That Bind Both BCMA and TACI
; FILE REFERENCE: 01-04
; CURRENT APPLICATION NUMBER: US/10/068,725
; PRIOR FILING DATE: 2002-02-06
; PRIOR APPLICATION NUMBER: 60/270,274
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/283,447
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-068-725-5

```

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
;
QY 1 MDDSTERQSRJLTSCLKREEMKJKECVSILPRESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDDSTERQSRJLTSCLKREEMKJKECVSILPRESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKI FEEBPAP 120
DB 61 LTVVSFYVAALQGDILASIRAELOGHNAEKLPAGAGAPKAGLEBAPAVTAGLKI FEEBPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTI QKGSYTFVPMILSFKGSALEE 180
DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSEPTI QKGSYTFVPMILSFKGSALEE 180
QY 181 KENKILVETGTFYFGVLYTDTKYAMGHLIQRKXKAVFDELSLVTLPFCIONMPEPTL 240
DB 181 KENKILVETGTFYFGVLYTDTKYAMGHLIQRKXKAVFDELSLVTLPFCIONMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQALIPRENAQISLDGVTFFGALKLL 285

```

```

RESULT 37
US-10-121-049-24
; Sequence 24, Application US/10121049
; Publication No. US2003002239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Matarabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

```

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: F330R1C17
CURRENT APPLICATION NUMBER: US/10/121,049
Pilot Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-049-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCLEKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTEREQSRLTSCLEKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSETPTIQSGSYTFVWMLSPKGSALAE 180
Db 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSETPTIQSGSYTFVWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285

RESULT 38
US-10-123-904-24

Sequence 24, Application US/10123904
Publication No. US20030022328A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C54
CURRENT APPLICATION NUMBER: US/10/123,904
Pilot Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-904-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCLEKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTEREQSRLTSCLEKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSETPTIQSGSYTFVWMLSPKGSALAE 180
Db 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSETPTIQSGSYTFVWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285

RESULT 39
US-10-140-470-24

Sequence 24, Application US/10140470
Publication No. US20030022331A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C160
CURRENT APPLICATION NUMBER: US/10/140,470
Pilot Application removed - See File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-470-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCLEKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
Db 1 MDDSTEREQSRLTSCLEKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSETPTIQSGSYTFVWMLSPKGSALAE 180
Db 121 GEGNSQNSRNRKRAVQGEETVTDCLQILADSETPTIQSGSYTFVWMLSPKGSALAE 180

```

Db      121 GEGNSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALAE 180
Qy      181 KENKILVETGYFFIYGOVLYTDTKYAMGHLQKRYHVFGDELSTVTLFRCIQNMPELT 240
Db      181 KENKILVETGYFFIYGOVLYTDTKYAMGHLQKRYHVFGDELSTVTLFRCIQNMPELT 240
Qy      241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db      241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

```

RESULT 40

```

US-10-214-065-6
; Sequence 6, Application US/10214065
; Publication No. US20030023038A1
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; APPLICANT: Renner, Paul D.
; APPLICANT: Ambrose, Jeffrey S.
; APPLICANT: Ambrose, Christine
; APPLICANT: Cachero, Teresa G.
; TITLE OF INVENTION: Heterologous Polypeptide of the TNP
; FILE REFERENCE: A092 US
; CURRENT APPLICATION NUMBER: US/10/214,065
; PRIOR FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: 60/181,670
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US01/04121
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-214-065-6

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPVRSXKGLLAATLLALISCC 60
Db      1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPVRSXKGLLAATLLALISCC 60
Qy      61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db      61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Qy      121 GEGNSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALAE 180
Db      121 GEGNSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALAE 180
Qy      181 KENKILVETGYFFIYGOVLYTDTKYAMGHLQKRYHVFGDELSTVTLFRCIQNMPELT 240
Db      181 KENKILVETGYFFIYGOVLYTDTKYAMGHLQKRYHVFGDELSTVTLFRCIQNMPELT 240
Qy      241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db      241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

```

RESULT 41

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US-10-175-746-24
; Sequence 24, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc

```

```

; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-746-24

```

```

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPVRSXKGLLAATLLALISCC 60
Db      1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPVRSXKGLLAATLLALISCC 60
Qy      61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db      61 LTVSFGVVALQGLDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Qy      121 GEGNSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALAE 180
Db      121 GEGNSQNSRNKRAVQGEETVTQDCQLADSETPTIQGSYTFVPMILSFKGSALAE 180
Qy      181 KENKILVETGYFFIYGOVLYTDTKYAMGHLQKRYHVFGDELSTVTLFRCIQNMPELT 240
Db      181 KENKILVETGYFFIYGOVLYTDTKYAMGHLQKRYHVFGDELSTVTLFRCIQNMPELT 240
Qy      241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
Db      241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

```

RESULT 42

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US-10-176-918-24
; Sequence 24, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

```



```
Db 121 GEGNSQNSRNKRAVQGFEEVITDQCLOLADSETPTIQKSYTFVFWMLISFKRGSALAE 180
Qy 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEYL 240
Qy 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 45
US-10-140-474-24
; Sequence 24, Application US/10140474
; Publication No. US20030032156A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C162
; CURRENT APPLICATION NUMBER: US/10/140,474
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-474-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDDSTEREQSLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALISCC 60
Db 1 MDDSTEREQSLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALISCC 60
Qy 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEEPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEEPAP 120
Qy 121 GEGNSQNSRNKRAVQGFEEVITDQCLOLADSETPTIQKSYTFVFWMLISFKRGSALAE 180
Db 121 GEGNSQNSRNKRAVQGFEEVITDQCLOLADSETPTIQKSYTFVFWMLISFKRGSALAE 180
Qy 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEYL 240
Qy 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 46
```

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US-10-142-431-24
; Sequence 24, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C251
; CURRENT APPLICATION NUMBER: US/10/142,431
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-431-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDDSTEREQSLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALISCC 60
Db 1 MDDSTEREQSLTSCCLKREEMKLEKCVSILPRKESPSVRSKDGKLIATLLALISCC 60
Qy 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEEPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATAGLKIFEEPAP 120
Qy 121 GEGNSQNSRNKRAVQGFEEVITDQCLOLADSETPTIQKSYTFVFWMLISFKRGSALAE 180
Db 121 GEGNSQNSRNKRAVQGFEEVITDQCLOLADSETPTIQKSYTFVFWMLISFKRGSALAE 180
Qy 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQKXVHVFGEDELSTVTLFRCIQNMPEYL 240
Qy 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 47
US-10-143-114-24
; Sequence 24, Application US/10143114
; Publication No. US20030036180A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
US-10-143-114-24
```

APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330RIC211
CURRENT APPLICATION NUMBER: US/10/143,114
PRIOR APPLICATION: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-114-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLKREEMKLKCVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLKREEMKLKCVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120

QY 121 GEGNSQSNRKRKAVQGEETVTDCLQILADSEPTIOKSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSQSNRKRKAVQGEETVTDCLQILADSEPTIOKSYTFVPMILSFKRGSALAE 180

QY 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVHVFGBDELSTVTLFRCIONMPELT 240
DB 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVHVFGBDELSTVTLFRCIONMPELT 240

QY 241 PNNSCYSAGIAKLEBGBDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGBDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 48
US-10-140-002-24
Sequence 24, Application US/10140002
Publication No. US20030037623A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330RIC59
CURRENT APPLICATION NUMBER: US/10/140,002
CURRENT FILING DATE: 2002-05-06

Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-002-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLKREEMKLKCVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLKREEMKLKCVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120

QY 121 GEGNSQSNRKRKAVQGEETVTDCLQILADSEPTIOKSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSQSNRKRKAVQGEETVTDCLQILADSEPTIOKSYTFVPMILSFKRGSALAE 180

QY 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVHVFGBDELSTVTLFRCIONMPELT 240
DB 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQRKVHVFGBDELSTVTLFRCIONMPELT 240

QY 241 PNNSCYSAGIAKLEBGBDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGBDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 49
US-10-142-419-24
Sequence 24, Application US/10142419
Publication No. US20030044945A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330RIC244
CURRENT APPLICATION NUMBER: US/10/142,419
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-419-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLKREEMKLKCVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

Db 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSEPTIQKSYTFVPMILSFKRGSALAE 180
Db 121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSEPTIQKSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRQIONMPEL 240
Db 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRQIONMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKL 285
RESULT 50
US-10-123-262-24
; Sequence 24, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123.262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-262-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 181 KENKILVETGYFFTYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRQIONMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKL 285
RESULT 51
US-10-142-423-24
; Sequence 24, Application US/10142423
; Publication No. US20030049817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C249
; CURRENT APPLICATION NUMBER: US/10/142.423
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-423-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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APPLICANT: Matanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C192
CURRENT APPLICATION NUMBER: US/10/141,755
PRIORITY FILING DATE: 2002-05-08
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-755-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MDDSTEREGRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
Db      1 MDDSTEREGRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60

QY      61 LTVVSFYQVAALQGDILASLRAELQGHHAETKIPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120
Db      61 LTVVSFYQVAALQGDILASLRAELQGHHAETKIPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120

QY      121 GEGSSONSNKRAVQGPSEETVQDCQLADSEPTIIOGSYTFEVMWLSFKKGSALAE 180
Db      121 GEGSSONSNKRAVQGPSEETVQDCQLADSEPTIIOGSYTFEVMWLSFKKGSALAE 180

QY      181 KENKILVKEIGFYPIYQVLYTDKTYAMGHLQKRYKAVHFDELSLYTLFRCIQNMPELT 240
Db      181 KENKILVKEIGFYPIYQVLYTDKTYAMGHLQKRYKAVHFDELSLYTLFRCIQNMPELT 240

QY      241 PNNSCYSAGIAKLEEGDELQALPRENAQISLDGDTVFFGALKLL 285
Db      241 PNNSCYSAGIAKLEEGDELQALPRENAQISLDGDTVFFGALKLL 285

RESULT 54
US-10-151-882-38
Sequence 38, Application US/10151882
Publication No. US20030059862A1
GENERAL INFORMATION:
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Antibodies Against Tumor Necrosis Factor Delta (APRIL)
FILE REFERENCE: P5554
CURRENT APPLICATION NUMBER: US/10/151,882
CURRENT FILING DATE: 2002-05-22
PRIOR APPLICATION NUMBER: 60/293,100
PRIOR FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 48
SOFTWARE: PatentIn version 3.0
SEQ ID NO 38
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-151-882-38

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MDDSTEREGRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
Db      1 MDDSTEREGRLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60

QY      61 LTVVSFYQVAALQGDILASLRAELQGHHAETKIPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120
Db      61 LTVVSFYQVAALQGDILASLRAELQGHHAETKIPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120

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QY 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKSYTFVPMILSPKRSALAE 180
DB 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKSYTFVPMILSPKRSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDXTYAMGHLIQRKXVHVGDELSTVLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDXTYAMGHLIQRKXVHVGDELSTVLFRCIQNMPEYL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDVTFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDVTFPGALKL 285

RESULT 55
US-10-143-032-24
Sequence 24, Application US/10143032
Publication NO. US2003005903A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C245
CURRENT APPLICATION NUMBER: US/10/143,032
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 265
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-032-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTBERQSRILSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDSTBERQSRILSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVASFVOVALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPBPAP 120
DB 61 LTVASFVOVALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPBPAP 120
QY 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKSYTFVPMILSPKRSALAE 180
DB 121 GEGNSONSRKRAVOGPEETVODCLQIADSEPTIQRKSYTFVPMILSPKRSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDXTYAMGHLIQRKXVHVGDELSTVLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDXTYAMGHLIQRKXVHVGDELSTVLFRCIQNMPEYL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDVTFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDVTFPGALKL 285

RESULT 56
US-10-123-108-24
Sequence 24, Application US/10123108
Publication NO. US20030068793A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C36
CURRENT APPLICATION NUMBER: US/10/123,108
CURRENT FILING DATE: 2002-04-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
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PRIOR FILING DATE: 1997-09-24
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PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28

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Page 29

PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
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PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
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PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-03-25
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PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
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PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
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PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627

PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-10
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PRIOR FILING DATE: 1998-06-11
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-19
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3 2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTERQSRILSKKREMKKECVSILPRKESVSZSSKDKLLAATLLIALISCC 60
DB 1 MDSTERQSRILSKKREMKKECVSILPRKESVSZSSKDKLLAATLLIALISCC 60
QY 61 LTVVSFYQVALQDLDLALSLRAELQGHIAEKLPAAGAPKXGLLEAPAVTATGKIFEEPPAP 120
DB 61 LTVVSFYQVALQDLDLALSLRAELQGHIAEKLPAAGAPKXGLLEAPAVTATGKIFEEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPBEETVTQDCQLIADSETPTIQKGSYTFVFWLLSPKGSALKEE 180
DB 121 GEGNSSQNSRKRRAVQGPBEETVTQDCQLIADSETPTIQKGSYTFVFWLLSPKGSALKEE 180

QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHILQKKVHVEGDELSVTLFRCIQNMPEL 240
 DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHILQKKVHVEGDELSVTLFRCIQNMPEL 240
 QY 241 PNNSCYSAGIAKLEBEGDELQAIIPRENAQISLDGDVTFEGALKL 285
 DB 241 PNNSCYSAGIAKLEBEGDELQAIIPRENAQISLDGDVTFEGALKL 285

RESULT 57
 US-10-123-236-24
 ; Sequence 24, Application US/10123236
 ; Publication No. US20030068795A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C33
 ; CURRENT APPLICATION NUMBER: US/10/123, 236
 ; PRIORITY FILING DATE: 2002-04-15
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-123-236-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSXDKLLAATLLALISCC 60
 DB 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSXDKLLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGDILASLRALQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVAALQGDILASLRALQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWMLSPKGSALAE 180
 DB 121 GEGNSQNSRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWMLSPKGSALAE 180
 QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHILQKKVHVEGDELSVTLFRCIQNMPEL 240
 DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHILQKKVHVEGDELSVTLFRCIQNMPEL 240
 QY 241 PNNSCYSAGIAKLEBEGDELQAIIPRENAQISLDGDVTFEGALKL 285
 DB 241 PNNSCYSAGIAKLEBEGDELQAIIPRENAQISLDGDVTFEGALKL 285

RESULT 58
 US-10-123-261-24
 ; Sequence 24, Application US/10123261
 ; Publication No. US20030068796A1

; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C42
 ; CURRENT APPLICATION NUMBER: US/10/123, 261
 ; PRIORITY FILING DATE: 2002-04-15
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-123-261-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSXDKLLAATLLALISCC 60
 DB 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSXDKLLAATLLALISCC 60
 QY 61 LTVVSFYQVAALQGDILASLRALQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVAALQGDILASLRALQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWMLSPKGSALAE 180
 DB 121 GEGNSQNSRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWMLSPKGSALAE 180
 QY 181 KENKILVKEGYFFIYGVLYTDKTYAMGHILQKKVHVEGDELSVTLFRCIQNMPEL 240
 DB 181 KENKILVKEGYFFIYGVLYTDKTYAMGHILQKKVHVEGDELSVTLFRCIQNMPEL 240
 QY 241 PNNSCYSAGIAKLEBEGDELQAIIPRENAQISLDGDVTFEGALKL 285
 DB 241 PNNSCYSAGIAKLEBEGDELQAIIPRENAQISLDGDVTFEGALKL 285

RESULT 59
 US-10-140-921-24
 ; Sequence 24, Application US/10140921
 ; Publication No. US20030068797A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria

```

/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C175
/ CURRENT APPLICATION NUMBER: US/10/140,921
/ PRIOR APPLICATION: 2002-05-07
/ NUMBER OF SEQ ID NOS: 550
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-921-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGLDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKEPPAP 120
DB 61 LTVVSFYQVAALQGLDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALEE 180
DB 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFEDLSLVTFRCLQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFEDLSLVTFRCLQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 60
US-10-140-928-24
/ Sequence 24, Application US/10140928
/ Publication No. US20030068798A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C186
/ CURRENT APPLICATION NUMBER: US/10/140,928
/ PRIOR APPLICATION: 2002-05-07
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
```

```

/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-928-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGLDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKEPPAP 120
DB 61 LTVVSFYQVAALQGLDLSRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKEPPAP 120
QY 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALEE 180
DB 121 GEGNSSQNSRNRKRAVQGEETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFEDLSLVTFRCLQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFEDLSLVTFRCLQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
```

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RESULT 61
US-10-121-045-24
/ Sequence 24, Application US/10121045
/ Publication No. US20030073210A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C
/ CURRENT APPLICATION NUMBER: US/10/121,045
/ PRIOR APPLICATION: 2002-04-11
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-121-045-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVRSXDKGLAATLLALISCC 60
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QY 61 LTVVSFYVAALQGLDASLRALQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYVAALQGLDASLRALQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSONSRRKRAVQGEPEETVTDCLQIADSEPTIQQSGYTFVFWLLSFKGSALEE 180
DB 121 GEGNSSONSRRKRAVQGEPEETVTDCLQIADSEPTIQQSGYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGTFYFYGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPETL 240
DB 181 KENKILVETGTFYFYGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285

RESULT 62
US-10-123-292-24
; Sequence 24, Application US/10123292
; Publication No. US20030073211A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C32
; CURRENT APPLICATION NUMBER: US/10/123,292
; PRIORITY FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-292-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKLL 285

RESULT 63
US-10-123-903-24
; Sequence 24, Application US/10123903
; Publication No. US20030073212A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C31
; CURRENT APPLICATION NUMBER: US/10/123,903
; PRIORITY FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-903-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C65
/ CURRENT APPLICATION NUMBER: US/10/124, 819
/ CURRENT FILING DATE: 2002-04-17
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-124-819-24

```

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQSRITSCIKREEMKKECVSILPRKESPSVSSKDGKLLAATLILALISCC 60
DB 1 MDDSTEREQSRITSCIKREEMKKECVSILPRKESPSVSSKDGKLLAATLILALISCC 60
QY 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVODCLQIADSEPTIIOGSGYTFVPMWLSFKGSALEE 180
DB 121 GEGNSQNSRNRKRAVQGEETVODCLQIADSEPTIIOGSGYTFVPMWLSFKGSALEE 180
QY 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQMPETL 240
DB 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

```

```

RESULT 65
US-10-124-822-24
/ Sequence 24, Application US/10124822
/ Publication No. US20030073214A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin

```

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/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C64
/ CURRENT APPLICATION NUMBER: US/10/124, 822
/ CURRENT FILING DATE: 2002-04-17
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-124-822-24

```

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQSRITSCIKREEMKKECVSILPRKESPSVSSKDGKLLAATLILALISCC 60
DB 1 MDDSTEREQSRITSCIKREEMKKECVSILPRKESPSVSSKDGKLLAATLILALISCC 60
QY 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGEETVODCLQIADSEPTIIOGSGYTFVPMWLSFKGSALEE 180
DB 121 GEGNSQNSRNRKRAVQGEETVODCLQIADSEPTIIOGSGYTFVPMWLSFKGSALEE 180
QY 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQMPETL 240
DB 181 KENKILVETGYFYIYQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

```

```

RESULT 66
US-10-140-925-24
/ Sequence 24, Application US/10140925
/ Publication No. US20030073215A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Goddard, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C187
/ CURRENT APPLICATION NUMBER: US/10/140, 925
/ CURRENT FILING DATE: 2002-05-07
/ Prior Application removed - See Palm or File Wrapper
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-925-24

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
 DB 1 MDDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60

QY 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBPAPVATGKIFEPAP 120
 DB 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBPAPVATGKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240
 DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 67
 US-10-160-498-24
 ; Sequence 24, Application US/10160498
 ; Publication No. US20030073216A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C451
 ; CURRENT APPLICATION NUMBER: US/10/160,498
 ; CURRENT FILING DATE: 2002-05-30
 ; Prior Application removed - See file wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-160-498-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
 DB 1 MDDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60

QY 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBPAPVATGKIFEPAP 120
 DB 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBPAPVATGKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240
 DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 69

QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240
 DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 68
 US-10-124-824-24
 ; Sequence 24, Application US/10124824
 ; Publication No. US2003007659A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C68
 ; CURRENT APPLICATION NUMBER: US/10/124,824
 ; CURRENT FILING DATE: 2002-04-17
 ; Prior Application removed - See Palm or File Wrapper
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-124-824-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60
 DB 1 MDDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSSKDGLAATLLALLSCC 60

QY 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBPAPVATGKIFEPAP 120
 DB 61 LTVVSFYQVAAALQGDLASLRAELQGHHAELKIPAGAGAPKAGLEBPAPVATGKIFEPAP 120

QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIQGSLTFVFWMLSFKGSALBE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240
 DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFDELSLVTFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 69

US-10-127-825A-24
Sequence 24, Application US/10127825A
Publication No. US20030077710A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCES: P3330R1C84
CURRENT APPLICATION NUMBER: US/10/127, 825A
CURRENT FILING DATE: 2002-04-22
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-825A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 MDDSTEREGSRRLTSCCKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALLSSCC 60
1 MDDSTEREGSRRLTSCCKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALLSSCC 60

DB 61 LTVVSFYQVAALQGDLASLRAELQGHHAETLPAGAGAPRAGLEAPAVTAGLTFEPAP 120
61 LTVVSFYQVAALQGDLASLRAELQGHHAETLPAGAGAPRAGLEAPAVTAGLTFEPAP 120

DB 121 GGNSSQNSRNRKRAVQGPETVTTODCLQIADSEPTTIQKGSYTFVPMLLSFKRSALAE 180
121 GGNSSQNSRNRKRAVQGPETVTTODCLQIADSEPTTIQKGSYTFVPMLLSFKRSALAE 180

DB 122 GGNSSQNSRNRKRAVQGPETVTTODCLQIADSEPTTIQKGSYTFVPMLLSFKRSALAE 180
122 GGNSSQNSRNRKRAVQGPETVTTODCLQIADSEPTTIQKGSYTFVPMLLSFKRSALAE 180

DB 181 KENKILVETGYFFITGVLYTDKTYAMGHILQKKVHVFGEDELVLTFRCIQMPEPTL 240
181 KENKILVETGYFFITGVLYTDKTYAMGHILQKKVHVFGEDELVLTFRCIQMPEPTL 240

DB 181 KENKILVETGYFFITGVLYTDKTYAMGHILQKKVHVFGEDELVLTFRCIQMPEPTL 240
181 KENKILVETGYFFITGVLYTDKTYAMGHILQKKVHVFGEDELVLTFRCIQMPEPTL 240

DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKLL 285
241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 70
US-10-127-829A-24
Sequence 24, Application US/10127829A
Publication No. US2003007771A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCES: P3330R1C85
CURRENT APPLICATION NUMBER: US/10/127, 829A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-829A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 MDDSTEREGSRRLTSCCKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALLSSCC 60
1 MDDSTEREGSRRLTSCCKREEMKLEKCVSILPRKESPSVRSKDGKLLAATLLALLSSCC 60

DB 61 LTVVSFYQVAALQGDLASLRAELQGHHAETLPAGAGAPRAGLEAPAVTAGLTFEPAP 120
61 LTVVSFYQVAALQGDLASLRAELQGHHAETLPAGAGAPRAGLEAPAVTAGLTFEPAP 120

QY 121 GGNSSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGYTFVPMILSPKRSALFE 180
DB 121 GGNSSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGYTFVPMILSPKRSALFE 180
QY 181 KENKILVKEIGYFFIYGQVLYTDKTYAMGHLIQKRVHFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVKEIGYFFIYGQVLYTDKTYAMGHLIQKRVHFGDELSTVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRNAQISLDGDVTFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRNAQISLDGDVTFPGALKL 285

RESULT 71

US-10-127-835A-24
; Sequence 24, Application US/10127835A
; Publication No. US20030077712A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C102
; CURRENT APPLICATION NUMBER: US/10/127, 835A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/048911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-835A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTERQSRULTCKKREEMKKECVSILPRKESPVRSXKDKLIALTLALISCC 60

DB 1 MDDSTERQSRULTCKKREEMKKECVSILPRKESPVRSXKDKLIALTLALISCC 60
QY 61 LTVVSFYQVAALQDILASLRAELIQHHAELKLPACAGAPKAGLEBAPAVTYGLKIFEPAP 120
DB 61 LTVVSFYQVAALQDILASLRAELIQHHAELKLPACAGAPKAGLEBAPAVTYGLKIFEPAP 120
QY 121 GGNSSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGYTFVPMILSPKRSALFE 180
DB 121 GGNSSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGYTFVPMILSPKRSALFE 180
QY 181 KENKILVKEIGYFFIYGQVLYTDKTYAMGHLIQKRVHFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVKEIGYFFIYGQVLYTDKTYAMGHLIQKRVHFGDELSTVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRNAQISLDGDVTFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRNAQISLDGDVTFPGALKL 285

RESULT 72

US-10-127-839A-24
; Sequence 24, Application US/10127839A
; Publication No. US20030077713A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C105
; CURRENT APPLICATION NUMBER: US/10/127, 839A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/048911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien

US-10-127-839A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCLEKREEMKLEKCVSILPRKSPSVSSKDGKLLATLLALSSCC 60
DB 1 MDSTEREQSLTSCLEKREEMKLEKCVSILPRKSPSVSSKDGKLLATLLALSSCC 60
QY 61 LTVSFGVVALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVSFGVVALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKKGSALAE 180
QY 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 73

US-10-127-901A-24

Sequence 24, Application US/10127901A
Publication No. US20030077714A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C86
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: US/10/127,901A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEO ID NO 24
LENGTH: 285

TYPE: PRT
ORGANISM: Homo Sapien

US-10-127-901A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCLEKREEMKLEKCVSILPRKSPSVSSKDGKLLATLLALSSCC 60
DB 1 MDSTEREQSLTSCLEKREEMKLEKCVSILPRKSPSVSSKDGKLLATLLALSSCC 60
QY 61 LTVSFGVVALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVSFGVVALQGDLSLRALQGHNAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQILADSEPTIQKSYTFVFWLLSFKKGSALAE 180
QY 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKLVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 74

US-10-128-693A-24

Sequence 24, Application US/10128693A
Publication No. US2003007715A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C120
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: US/10/128,693A
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17

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PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-893A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGLDLSLRRLQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGLDLSLRRLQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRAVQGPETVTQDCQLADSEPTIOKGYTFVFWMLSFKGSALAE 180
DB 121 GEGNSSQNSRKRAVQGPETVTQDCQLADSEPTIOKGYTFVFWMLSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSVTLFRCIONMPETL 240
DB 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSVTLFRCIONMPETL 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 75
US-10-131-813A-24
Sequence 24, Application US/10131813A
Publication No. US20030077716A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C139
CURRENT APPLICATION NUMBER: US/10/131,813A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113

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PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-813A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
DB 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLLATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGLDLSLRRLQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGLDLSLRRLQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRAVQGPETVTQDCQLADSEPTIOKGYTFVFWMLSFKGSALAE 180
DB 121 GEGNSSQNSRKRAVQGPETVTQDCQLADSEPTIOKGYTFVFWMLSFKGSALAE 180
QY 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSVTLFRCIONMPETL 240
DB 181 KENKILVETGTFYFGVLYTDKTYAMGHLQKKVHVFDELSVTLFRCIONMPETL 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 76
US-10-131-818A-24
Sequence 24, Application US/10131818A
Publication No. US20030077717A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C141

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CURRENT APPLICATION NUMBER: US/10/131,818A
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-818A-24

```

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSRLTCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSRLTCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVASFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVASFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSONSRRKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
DB 121 GEGNSONSRRKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
QY 181 KENKILVETGYFPFYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFPFYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

```

```

RESULT 77
US-10-131-823A-24
Sequence 24, Application US/10131823A
Publication No. US2003007718A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C143
CURRENT APPLICATION NUMBER: US/10/131,823A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-823A-24

```

```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MDDSTEREQSRLTCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSRLTCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVASFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVASFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSONSRRKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
DB 121 GEGNSONSRRKRAVQGPBEETVODCLQIADSEPTTIQGSYTFVWLLSFKGSALEE 180
QY 181 KENKILVETGYFPFYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFPFYQGVLYTDKTYAMGHILQKKVHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

```

```

RESULT 78
US-10-131-824A-24
Sequence 24, Application US/10131824A
Publication No. US2003007719A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang

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Page 41

Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 80

US-10-131-837A-24
Sequence 24, Application US/10131837A
Publication No. US20030077721A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C131
CURRENT APPLICATION NUMBER: US/10/131, 837A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-837A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTCLKKEEMKLEKCVSILPRKESPSVSSKDGKLAATLTLALLSCC 60
DB 1 MDDSTEREQRSLTCLKKEEMKLEKCVSILPRKESPSVSSKDGKLAATLTLALLSCC 60
QY 61 LTVVSVFYAAALOGDILASRAELQGHNAEKLPAAGAPPAAGLEAPAVTAGIKIEPPAP 120
DB 61 LTVVSVFYAAALOGDILASRAELQGHNAEKLPAAGAPPAAGLEAPAVTAGIKIEPPAP 120
QY 121 GEGNSSQNRNRKAVGPEETVTDCLQILADSEPTTIQSGSYTFVPMILSKSGSALAE 180
DB 121 GEGNSSQNRNRKAVGPEETVTDCLQILADSEPTTIQSGSYTFVPMILSKSGSALAE 180

QY 181 KENKILVKEGYFFIYGOVLTYDKTYAMGHLQKQKXVFGDELSLTYLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGOVLTYDKTYAMGHLQKQKXVFGDELSLTYLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 81

US-10-137-872A-24
Sequence 24, Application US/10137872A
Publication No. US20030077722A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C150
CURRENT APPLICATION NUMBER: US/10/137, 872A
CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-872A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTCLKKEEMKLEKCVSILPRKESPSVSSKDGKLAATLTLALLSCC 60
DB 1 MDDSTEREQRSLTCLKKEEMKLEKCVSILPRKESPSVSSKDGKLAATLTLALLSCC 60

QY 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIÖKGSYTFVPMILSFKSGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIÖKGSYTFVPMILSFKSGSALAE 180
QY 181 KENKILVETGFFIYGVLYTDKTYAMGHLIÖRKQVHVFGBDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGFFIYGVLYTDKTYAMGHLIÖRKQVHVFGBDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 82
US-10-147-500-24
; Sequence 24, Application US/10147500
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C325
; CURRENT APPLICATION NUMBER: US/10/147,500
; CURRENT FILING DATE: 2002-05-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-500-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTERQSRITSCIKRREMKLKECVSILPRKESPSVRSKDGKLLAATLLIALISC 60
DB 1 MDDSTERQSRITSCIKRREMKLKECVSILPRKESPSVRSKDGKLLAATLLIALISC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIÖKGSYTFVPMILSFKSGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIÖKGSYTFVPMILSFKSGSALAE 180
QY 181 KENKILVETGFFIYGVLYTDKTYAMGHLIÖRKQVHVFGBDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGFFIYGVLYTDKTYAMGHLIÖRKQVHVFGBDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285

DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 83
US-10-147-502-24
; Sequence 24, Application US/10147502
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C326
; CURRENT APPLICATION NUMBER: US/10/147,502
; CURRENT FILING DATE: 2002-05-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-502-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTERQSRITSCIKRREMKLKECVSILPRKESPSVRSKDGKLLAATLLIALISC 60
DB 1 MDDSTERQSRITSCIKRREMKLKECVSILPRKESPSVRSKDGKLLAATLLIALISC 60
QY 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALOGDLASIRAELOGHNAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIÖKGSYTFVPMILSFKSGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSEPTIÖKGSYTFVPMILSFKSGSALAE 180
QY 181 KENKILVETGFFIYGVLYTDKTYAMGHLIÖRKQVHVFGBDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGFFIYGVLYTDKTYAMGHLIÖRKQVHVFGBDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 84
US-10-147-515-24
; Sequence 24, Application US/10147515
; Publication No. US2003007722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
APPLICANT: Zhan, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C342
CURRENT APPLICATION NUMBER: US/10/147,515
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-515-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTIQQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTIQQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQKKVHVFDELSLVTLFRCLQNMPEPL 240
DB 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQKKVHVFDELSLVTLFRCLQNMPEPL 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285

RESULT 85
US-10-147-517-24
Sequence 24, Application US/10147517
Publication No. US2003007726A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C337
CURRENT APPLICATION NUMBER: US/10/147,517
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-517-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDSTEREQSLTSCIKRREEMKKECVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTIQQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVTDCLQILADSEPTIQQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQKKVHVFDELSLVTLFRCLQNMPEPL 240
DB 181 KENKILVETGYFFLYGQVLYTDKTYAMGHLIQKKVHVFDELSLVTLFRCLQNMPEPL 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285

RESULT 86
US-10-147-526-24
Sequence 24, Application US/10147526
Publication No. US2003007727A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C343
CURRENT APPLICATION NUMBER: US/10/147,526
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-526-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
 DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
 QY 61 LTVVSFYVAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYVAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLLSFKGSALEE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLLSFKGSALEE 180
 QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFDELSLVTLPFCIONMPETL 240
 DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFDELSLVTLPFCIONMPETL 240
 QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 87

US-10-147-527-24
 ; Sequence 24, Application US/10147527
 ; Publication No. US2003007728A1

; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P330RIG353
 ; CURRENT FILING DATE: 2002-05-17
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-10-147-527-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
 DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
 QY 61 LTVVSFYVAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYVAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLLSFKGSALEE 180

DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLLSFKGSALEE 180
 QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFDELSLVTLPFCIONMPETL 240
 DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFDELSLVTLPFCIONMPETL 240
 QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 88

US-10-121-041-24
 ; Sequence 24, Application US/10121041
 ; Publication No. US2003007776A1

; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P330RIG3
 ; CURRENT FILING DATE: 2002-04-11
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-10-121-041-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
 DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSKDGKLAATLLALLSCC 60
 QY 61 LTVVSFYVAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYVAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLLSFKGSALEE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQIADSETPTIOKSYTFVFWLLSFKGSALEE 180
 QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFDELSLVTLPFCIONMPETL 240
 DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLIQKKVHVFDELSLVTLPFCIONMPETL 240
 QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 89

US-10-121-043-24
/ Sequence 24, Application US/10121043
/ Publication No. US2003007777A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C15
/ CURRENT APPLICATION NUMBER: US/10/121,043
/ CURRENT FILING DATE: 2002-04-12
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-121-043-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCIKREEMKKECVSLPRKESPVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSLTSCIKREEMKKECVSLPRKESPVRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCLQIADSEPTTIQKGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCLQIADSEPTTIQKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGFFIYGVQVLTDTKYAMGHLIQRKXVHFGDELSTVTLFRCIONNPETL 240
DB 181 KENKILVETGFFIYGVQVLTDTKYAMGHLIQRKXVHFGDELSTVTLFRCIONNPETL 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 90
US-10-121-047-24
/ Sequence 24, Application US/10121047
/ Publication No. US2003007777A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.

/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C4
/ CURRENT APPLICATION NUMBER: US/10/121,047
/ CURRENT FILING DATE: 2002-04-11
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-121-047-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCIKREEMKKECVSLPRKESPVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQSLTSCIKREEMKKECVSLPRKESPVRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRABLOGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVQGEETVTQDCLQIADSEPTTIQKGSYTFVPMILSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCLQIADSEPTTIQKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGFFIYGVQVLTDTKYAMGHLIQRKXVHFGDELSTVTLFRCIONNPETL 240
DB 181 KENKILVETGFFIYGVQVLTDTKYAMGHLIQRKXVHFGDELSTVTLFRCIONNPETL 240
QY 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 91
US-10-123-215-24
/ Sequence 24, Application US/10123215
/ Publication No. US2003007777A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C41
/ CURRENT APPLICATION NUMBER: US/10/123,215
/ CURRENT FILING DATE: 2002-04-15

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; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-215-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
DB 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
QY 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
DB 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKYHVPDELSVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKYHVPDELSVTLFRCIQNMPEPTL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDVTFPFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDVTFPFGALKLL 285

RESULT 92
US-10-123-902-24
; Sequence 24, Application US/10123902
; Publication No. US2003007781A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,902
; PRIOR FILING DATE: 2002-04-16
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
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DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
DB 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
QY 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
DB 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKYHVPDELSVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKYHVPDELSVTLFRCIQNMPEPTL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDVTFPFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDVTFPFGALKLL 285

RESULT 93
US-10-123-908-24
; Sequence 24, Application US/10123908
; Publication No. US2003007782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C44
; CURRENT APPLICATION NUMBER: US/10/123,908
; PRIOR FILING DATE: 2002-04-16
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-908-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDDSTEREQSRLLTSCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
DB 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
QY 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
DB 61 LTVSFFYQVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEBPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQKSYTFVFWLLSFKRGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSEPTTIQKSYTFVFWLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKYHVPDELSVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKYHVPDELSVTLFRCIQNMPEPTL 240
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Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKKHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 94
US-10-123-909-24
; Sequence 24, Application US/10123909
; Publication No. US20030077783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C45
; CURRENT APPLICATION NUMBER: US/10/123,909
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-909-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
Db 1 MDSTEREQSLTSCCKREMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAPKAGLEAPAVTAGLKIFPEPPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAPKAGLEAPAVTAGLKIFPEPPAP 120
QY 121 GEGNSSQNSRKRAVQGEETVTDCLQIADSEPTIIOKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSRKRAVQGEETVTDCLQIADSEPTIIOKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKKHVFGDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKKHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 95
US-10-123-910-24
; Sequence 24, Application US/10123910
; Publication No. US20030077784A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
```

```
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C45
; CURRENT APPLICATION NUMBER: US/10/123,910
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-910-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCKREMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
Db 1 MDSTEREQSLTSCCKREMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAPKAGLEAPAVTAGLKIFPEPPAP 120
Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAPKAGLEAPAVTAGLKIFPEPPAP 120
QY 121 GEGNSSQNSRKRAVQGEETVTDCLQIADSEPTIIOKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSRKRAVQGEETVTDCLQIADSEPTIIOKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKKHVFGDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHILQKKKHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 96
US-10-124-813-24
; Sequence 24, Application US/10124813
; Publication No. US20030077785A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
```

APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C67
CURRENT APPLICATION NUMBER: US/10/124, 813
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-813-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLILALISCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEFTVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEFTVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFLYGVLYTDKTYAMGHILQKKVHVFDELSLVTLFRCLQNMPELT 240
DB 181 KENKILVETGYFFLYGVLYTDKTYAMGHILQKKVHVFDELSLVTLFRCLQNMPELT 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 97
US-10-124-817-24
Sequence 24, Application US/10124817
Publication No. US20030077786A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C67
CURRENT APPLICATION NUMBER: US/10/124, 817
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT

ORGANISM: Homo Sapien
US-10-124-817-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLILALISCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEFTVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEFTVTDCLQIADSETPTIQKSYTFVFWLLSFKGSALEE 180
QY 181 KENKILVETGYFFLYGVLYTDKTYAMGHILQKKVHVFDELSLVTLFRCLQNMPELT 240
DB 181 KENKILVETGYFFLYGVLYTDKTYAMGHILQKKVHVFDELSLVTLFRCLQNMPELT 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 98
US-10-125-922-24
Sequence 24, Application US/10125922
Publication No. US2003007787A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matarabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C73
CURRENT APPLICATION NUMBER: US/10/125, 922
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-922-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLLAATLILALISCC 60
QY 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120
DB 61 LTVVSFYQVAAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFPPAP 120

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Db 61 LTVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVQDCLQIADSEPTIIOKGSYTFVPMILSFKRGSALEE 180
Db 121 GEGNSQNSRNRKRAVQGPPEETVQDCLQIADSEPTIIOKGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISLVTLFRCIQNMPEPTL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISLVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 99
US-10-125-924-24
/ Sequence 24, Application US/10125924
/ Publication No. US2003007788A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Laura
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C75
/ CURRENT APPLICATION NUMBER: US/10/125,924
/ CURRENT FILING DATE: 2002-04-19
/ Prior Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-125-924-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCLKREEMKLEKCVSILPRKESPSVRSXDKGLAATLLALLSSCC 60
Db 1 MDDSTEREOSRLTSCLKREEMKLEKCVSILPRKESPSVRSXDKGLAATLLALLSSCC 60
QY 61 LTVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVQDCLQIADSEPTIIOKGSYTFVPMILSFKRGSALEE 180
Db 121 GEGNSQNSRNRKRAVQGPPEETVQDCLQIADSEPTIIOKGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISLVTLFRCIQNMPEPTL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISLVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
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RESULT 100
US-10-140-860-24
/ Sequence 24, Application US/10140860
/ Publication No. US2003007789A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Laura
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C189
/ CURRENT APPLICATION NUMBER: US/10/140,860
/ CURRENT FILING DATE: 2002-05-07
/ Prior Application removed - See File Wrapper
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-140-860-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCLKREEMKLEKCVSILPRKESPSVRSXDKGLAATLLALLSSCC 60
Db 1 MDDSTEREOSRLTSCLKREEMKLEKCVSILPRKESPSVRSXDKGLAATLLALLSSCC 60
QY 61 LTVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVQDCLQIADSEPTIIOKGSYTFVPMILSFKRGSALEE 180
Db 121 GEGNSQNSRNRKRAVQGPPEETVQDCLQIADSEPTIIOKGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISLVTLFRCIQNMPEPTL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELISLVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 101
US-10-142-417-24
/ Sequence 24, Application US/10142417
/ Publication No. US2003007790A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Desnoyers, Laura
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
```

```

; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C232
; CURRENT APPLICATION NUMBER: US/10/142,417
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-417-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCLKKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQSRILTSCLKKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQGSYTFVFWMLLSFKRGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQGSYTFVFWMLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285

RESULT 102
US-10-147-519-24
; Sequence 24, Application US/10147519
; Publication No. US2003007791A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
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; FILE REFERENCE: P330R1C346
; CURRENT APPLICATION NUMBER: US/10/147,519
; CURRENT FILING DATE: 2002-05-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-519-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCLKKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQSRILTSCLKKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQGSYTFVFWMLLSFKRGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTQDCLQIADSETPTIQGSYTFVFWMLLSFKRGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRYHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDVTFFGALKL 285

RESULT 103
US-10-157-782-24
; Sequence 24, Application US/10157782
; Publication No. US2003007792A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C431
; CURRENT APPLICATION NUMBER: US/10/157,782
; CURRENT FILING DATE: 2002-05-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-157-782-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
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Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALSSCC 60

DB 1 MDDSTEREQSRLTSCIKKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALSSCC 60

QY 61 LTVVSYQVAAALQGDILASIRAEIQQHHAETLPAGAGAPKAGLEEAAYTAGIKTIFPPAP 120

DB 61 LTVVSYQVAAALQGDILASIRAEIQQHHAETLPAGAGAPKAGLEEAAYTAGIKTIFPPAP 120

QY 121 GGNSSQNSNRKAVOGPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFRRGSALE 180

DB 121 GGNSSQNSNRKAVOGPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFRRGSALE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240

DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

RESULT 104

US-10-152-395-24

/ Sequence 24, Application US/10152395

/ Publication No. US20030078377A1

/ GENERAL INFORMATION:

/ APPLICANT: Baker, Kevin P.

/ APPLICANT: Beresini, Maureen

/ APPLICANT: Deforge, Laura

/ APPLICANT: Desnoyers, Luc

/ APPLICANT: Filvaroff, Ellen

/ APPLICANT: Gao, Wei-Qiang

/ APPLICANT: Gerritsen, Mary E.

/ APPLICANT: Goddard, Audrey

/ APPLICANT: Godowski, Paul J.

/ APPLICANT: Gurney, Austin L.

/ APPLICANT: Sherwood, Steven

/ APPLICANT: Smith, Victoria

/ APPLICANT: Stewart, Timothy A.

/ APPLICANT: Tumas, Daniel

/ APPLICANT: Watanabe, Colin K

/ APPLICANT: Wood, William

/ APPLICANT: Zhang, Zemin

/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

/ FILE REFERENCE: P3330R1C405

/ CURRENT APPLICATION NUMBER: US/10/152,395

/ CURRENT FILING DATE: 2002-05-21

/ Prior Application removed - See File Wrapper or Palm

/ NUMBER OF SEQ ID NOS: 550

/ SEQ ID NO 24

/ LENGTH: 285

/ TYPE: PRT

/ ORGANISM: Homo Sapien

US-10-152-395-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3,2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALSSCC 60

DB 1 MDDSTEREQSRLTSCIKKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALSSCC 60

QY 61 LTVVSYQVAAALQGDILASIRAEIQQHHAETLPAGAGAPKAGLEEAAYTAGIKTIFPPAP 120

DB 61 LTVVSYQVAAALQGDILASIRAEIQQHHAETLPAGAGAPKAGLEEAAYTAGIKTIFPPAP 120

QY 121 GGNSSQNSNRKAVOGPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFRRGSALE 180

DB 121 GGNSSQNSNRKAVOGPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFRRGSALE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240

DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHFGDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGDTFFGALKL 285

RESULT 105

US-10-125-926A-24

/ Sequence 24, Application US/10125926A

/ Publication No. US20030082686A1

/ GENERAL INFORMATION:

/ APPLICANT: Baker, Kevin P.

/ APPLICANT: Beresini, Maureen

/ APPLICANT: Deforge, Laura

/ APPLICANT: Desnoyers, Luc

/ APPLICANT: Filvaroff, Ellen

/ APPLICANT: Gao, Wei-Qiang

/ APPLICANT: Gerritsen, Mary E.

/ APPLICANT: Goddard, Audrey

/ APPLICANT: Godowski, Paul J.

/ APPLICANT: Gurney, Austin L.

/ APPLICANT: Sherwood, Steven

/ APPLICANT: Smith, Victoria

/ APPLICANT: Stewart, Timothy A.

/ APPLICANT: Tumas, Daniel

/ APPLICANT: Watanabe, Colin K

/ APPLICANT: Wood, William

/ APPLICANT: Zhang, Zemin

/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

/ FILE REFERENCE: P3330R1C80

/ CURRENT APPLICATION NUMBER: US/10/125,926A

/ CURRENT FILING DATE: 2002-10-15

/ PRIOR APPLICATION NUMBER: 60/049911

/ PRIOR FILING DATE: 1997-06-18

/ PRIOR APPLICATION NUMBER: 60/056974

/ PRIOR FILING DATE: 1997-08-26

/ PRIOR APPLICATION NUMBER: 60/059113

/ PRIOR FILING DATE: 1997-09-17

/ PRIOR APPLICATION NUMBER: 60/059115

/ PRIOR FILING DATE: 1997-09-17

/ PRIOR APPLICATION NUMBER: 60/059117

/ PRIOR FILING DATE: 1997-09-17

/ PRIOR APPLICATION NUMBER: 60/059122

/ PRIOR FILING DATE: 1997-09-17

/ PRIOR APPLICATION NUMBER: 60/059184

/ PRIOR FILING DATE: 1997-09-17

/ PRIOR APPLICATION NUMBER: 60/059263

/ PRIOR FILING DATE: 1997-09-18

/ PRIOR APPLICATION NUMBER: 60/059352

/ PRIOR FILING DATE: 1997-09-19

/ PRIOR APPLICATION NUMBER: 60/059388

/ PRIOR FILING DATE: 1997-09-19

/ Remaining Prior Application data removed - See File Wrapper or PALM.

/ NUMBER OF SEQ ID NOS: 550

/ SEQ ID NO 24

/ LENGTH: 285

/ TYPE: PRT

/ ORGANISM: Homo Sapien

US-10-125-926A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3,2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALSSCC 60

DB 1 MDDSTEREQSRLTSCIKKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALSSCC 60

QY 61 LTVVSFYVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFTYQGVLYTDKTYAMGHLIQKRYHVGDLSLVTLPFCIONMPETL 240
Db 181 KENKILVETGYFFTYQGVLYTDKTYAMGHLIQKRYHVGDLSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKL 285
RESULT 106
US-10-125-930A-24
; Sequence 24, Application US/10125930A
; Publication No. US20030082687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C78
; CURRENT APPLICATION NUMBER: US/10/125, 930A
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-930A-24
Query Match 100.0%, Score 1451, DB 14, Length 285.

Best Local Similarity 100.0%; Fred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDDSTERQSLTSCLEKREEMKLECVSILPRSESVSSKDGKLLAATLLIALISCC 60
Db 1 MDDSTERQSLTSCLEKREEMKLECVSILPRSESVSSKDGKLLAATLLIALISCC 60
QY 61 LTVVSFYVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQNSNRKRAVQGEETVTQDCLQIADSETPTIQKSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFTYQGVLYTDKTYAMGHLIQKRYHVGDLSLVTLPFCIONMPETL 240
Db 181 KENKILVETGYFFTYQGVLYTDKTYAMGHLIQKRYHVGDLSLVTLPFCIONMPETL 240
QY 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKL 285
RESULT 107
US-10-127-831A-24
; Sequence 24, Application US/10127831A
; Publication No. US20030082689A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C107
; CURRENT APPLICATION NUMBER: US/10/127, 831A
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-837A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKRREEMKLECVSILPRKESPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQRSLTSCIKRREEMKLECVSILPRKESPSVRSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRKRAVGPPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRKRKRAVGPPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 108

US-10-127-837A-24
Sequence 24, Application US/10127837A
Publication No. US20030082690A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C96
CURRENT APPLICATION NUMBER: US/10/127, 837A
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-837A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKRREEMKLECVSILPRKESPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQRSLTSCIKRREEMKLECVSILPRKESPSVRSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRKRAVGPPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180
DB 121 GEGNSSQNSRKRKRAVGPPEETVTDCLQIADSEPTIQGSYTFVPMILSFKRGSALEE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 109

US-10-127-838B-24
Sequence 24, Application US/10127838B
Publication No. US20030082691A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C98
CURRENT APPLICATION NUMBER: US/10/127, 838B
CURRENT FILING DATE: 2002-04-22
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-838B-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

Db 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPVSSXKDKLAATLLIALISCC 60
1 MDSSTEREQSLTSCCKREEMKKECVSILPRKESPVSSXKDKLAATLLIALISCC 60
QY 61 LTVSFFVQVAAQGLDLSLRRELQGHAEKLPAGAGAPKGLBAPAVTAGLKIFPPAP 120
61 LTVSFFVQVAAQGLDLSLRRELQGHAEKLPAGAGAPKGLBAPAVTAGLKIFPPAP 120
Db 121 GEGNSSQNSRNRKRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
121 GEGNSSQNSRNRKRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQKKVHVGDLSLVTLFRCIQNMPELT 240
181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQKKVHVGDLSLVTLFRCIQNMPELT 240
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 110
US-10-127-842A-24
Sequence 24, Application US/10127842A
Publication No. US20030082692A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333081C100
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-842A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

Db 1 MDSTEREQSLTSCCKREEMKKECVSILPRKESPVSSXKDKLAATLLIALISCC 60
1 MDSSTEREQSLTSCCKREEMKKECVSILPRKESPVSSXKDKLAATLLIALISCC 60
QY 61 LTVSFFVQVAAQGLDLSLRRELQGHAEKLPAGAGAPKGLBAPAVTAGLKIFPPAP 120
61 LTVSFFVQVAAQGLDLSLRRELQGHAEKLPAGAGAPKGLBAPAVTAGLKIFPPAP 120
Db 121 GEGNSSQNSRNRKRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
121 GEGNSSQNSRNRKRAVQGEETVTDCLQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQKKVHVGDLSLVTLFRCIQNMPELT 240
181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQKKVHVGDLSLVTLFRCIQNMPELT 240
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 111
US-10-127-843A-24
Sequence 24, Application US/10127843A
Publication No. US20030082693A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William

Query Match	100.0%;	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	MDSTREDSRLTSCIKREEMKKECVSIIIPRSPSVSSSKDGKIATLTLLALSSC	60
Db	1	MDSTREDSRLTSCIKREEMKKECVSIIIPRSPSVSSSKDGKIATLTLLALSSC	60
QY	61	LTVSVSYVALQSDLASIRAFLOGHNAEKLPAAGAPKAGLEZAPVTKGKIFEPAP	120
Db	61	LTVSVSYVALQSDLASIRAFLOGHNAEKLPAAGAPKAGLEZAPVTKGKIFEPAP	120
QY	121	GEGNSSQNRNRKAVQGPETVTDCCLOIINDSEPTIIOGXYTFVWILSFRGSALE	180
Db	121	GEGNSSQNRNRKAVQGPETVTDCCLOIINDSEPTIIOGXYTFVWILSFRGSALE	180
QY	181	KENKILVKEKGFFIYGOVLVYDKYVAMGHLIQKKYHVFGEDESLVTLFRCIQNNPRT	240
Db	181	KENKILVKEKGFFIYGOVLVYDKYVAMGHLIQKKYHVFGEDESLVTLFRCIQNNPRT	240
QY	241	PNNSCYSAGIATLEGEDELQALIPRENAOISLDDVYFFPAKILL	285
Db	241	PNNSCYSAGIATLEGEDELQALIPRENAOISLDDVYFFPAKILL	285

RESULT 112
US-10-127-845A-24
/ Sequence 24, Application US/10127845A
/ Publication NO. US20030082694A1
GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvarsoff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goodard, Audrey
/ APPLICANT: Goodowski, Paul J.

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; Remaining prior Application data removed - See File Wrapper or PALM
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO: 1

```

Query Match	100.0%;	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

QY	1	MODSTEREOSRLTSCCLKRREEMKLKECVSILPRRESVSVMSSXOGKLAATLTLALISCC	60
Db	1	MODSTEREOSRLTSCCLKRREEMKLKECVSILPRRESVSVMSSXOGKLAATLTLALISCC	60
QY	61	LVFVSFYVAAIQGBLAPLAELOGHAEKLPACAGAPKAGLEAPAVTAGLTFEBPAP	120
Db	61	LVFVSFYVAAIQGBLAPLAELOGHAEKLPACAGAPKAGLEAPAVTAGLTFEBPAP	120
QY	121	GGNSNSNRNRBAVQSPBEVTQDCLOLADSTPTIQGSAVTFVWMLSFRGSALRE	180
Db	121	GGNSNSNRNRBAVQSPBEVTQDCLOLADSTPTIQGSAVTFVWMLSFRGSALRE	180
QY	181	KENKLLIVMETGYFFLYGVLYTDTKTYAMGHLIQKKKHVYVDELSLVTLFRCLQNNPETL	240
Db	181	KENKLLIVMETGYFFLYGVLYTDTKTYAMGHLIQKKKHVYVDELSLVTLFRCLQNNPETL	240
QY	241	PNNSCYSAGIATLBERGDELQALIPRENAOISLSDGVTFPSGALKLL	285
Db	241	PNNSCYSAGIATLBERGDELQALIPRENAOISLSDGVTFPSGALKLL	285

RESULT113
US-10-127-846A-24
; Sequence 24, Application US/10127846A
; Publication NO. US2003008265A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Naureen

APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Geriltsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P33081C94
 CURRENT FILING DATE: 2002-10-15
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974
 PRIOR FILING DATE: 1997-08-26
 PRIOR APPLICATION NUMBER: 60/059113
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059115
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059117
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059122
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059184
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059352
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059588
 PRIOR FILING DATE: 1997-09-19
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-127-846A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSLCKRREMKIKECVSLPRKESPSVSSKQKLLAATLILALSSCC 60
 DB 1 MDDSTEREQSRITSLCKRREMKIKECVSLPRKESPSVSSKQKLLAATLILALSSCC 60
 QY 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSRKRRAVQGEETVTDCLQIADSETPTIQKSYTFVFWMLSPKSGSALAE 180
 DB 121 GEGNSQNSRKRRAVQGEETVTDCLQIADSETPTIQKSYTFVFWMLSPKSGSALAE 180
 QY 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHILQKKYHVFGEDELSTVTLFRCIQNMPEL 240
 DB 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHILQKKYHVFGEDELSTVTLFRCIQNMPEL 240
 QY 241 PNNSCYAGIAKLEGGDELQALIPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYAGIAKLEGGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 114

US-10-127-848A-24

Sequence 24; Application US/10127848A

Publication No. US20030082696A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Geriltsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P33081C106

CURRENT APPLICATION NUMBER: US/10/127,848A

CURRENT FILING DATE: 2002-10-15

PRIOR APPLICATION NUMBER: 60/049911

PRIOR FILING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059117

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059184

PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/059588

PRIOR FILING DATE: 1997-09-19

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 24

LENGTH: 285

TYPE: PRT

ORGANISM: Homo Sapien

US-10-127-848A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSLCKRREMKIKECVSLPRKESPSVSSKQKLLAATLILALSSCC 60
 DB 1 MDDSTEREQSRITSLCKRREMKIKECVSLPRKESPSVSSKQKLLAATLILALSSCC 60
 QY 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
 DB 61 LTVVSFYVAALQGDLSLRAELQGHNAEKLPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
 QY 121 GEGNSQNSRKRRAVQGEETVTDCLQIADSETPTIQKSYTFVFWMLSPKSGSALAE 180
 DB 121 GEGNSQNSRKRRAVQGEETVTDCLQIADSETPTIQKSYTFVFWMLSPKSGSALAE 180
 QY 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHILQKKYHVFGEDELSTVTLFRCIQNMPEL 240
 DB 181 KENKILVKEGTGYFFIYQGVLYTDKTYAMGHILQKKYHVFGEDELSTVTLFRCIQNMPEL 240

Db 181 KENKILVETGYFFIYGVLYTDTKYAMGHILQKXVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 115

US-10-127-849A-24
Sequence 24, Application US/10127849A
Publication No. US20030082697A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C103
CURRENT APPLICATION NUMBER: US/10/127,849A
PRIOR FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-849A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCIKRREEMKLEKCVSILPRKESPSVRSSKDGKLAATLLAALSCC 60

Db 1 MDDSTEREOSRLTSCIKRREEMKLEKCVSILPRKESPSVRSSKDGKLAATLLAALSCC 60

QY 61 LTVVFYQYAAILOGSLASRLAQGHAEKLPAGAGAKAGIEEPATYAGLKTFFPPAP 120
Db 61 LTVVFYQYAAILOGSLASRLAQGHAEKLPAGAGAKAGIEEPATYAGLKTFFPPAP 120

QY 121 GEGNSQNSNRKRAVQGEETVTQDCLQIADSETPTIIOKQSYTFVFWLISFKRGSALKE 180
Db 121 GEGNSQNSNRKRAVQGEETVTQDCLQIADSETPTIIOKQSYTFVFWLISFKRGSALKE 180

QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHILQKXVHVFGEDELSTVTLFRCIQNMPELT 240
Db 181 KENKILVETGYFFIYGVLYTDTKYAMGHILQKXVHVFGEDELSTVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 116

US-10-127-850A-24
Sequence 24, Application US/10127850A
Publication No. US20030082698A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C110
CURRENT APPLICATION NUMBER: US/10/127,850A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-850A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

```

QY      1 MDSTEREQSLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSSCC 60
DB      1 MDSTEREQSLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSSCC 60
QY      61 LTVVSYQVAALQGDLASLRALQGHHAETLPAGAGAPAGAEBAAPVATAGLKIPEPPAP 120
DB      61 LTVVSYQVAALQGDLASLRALQGHHAETLPAGAGAPAGAEBAAPVATAGLKIPEPPAP 120
QY      121 GEGNSSQNSRNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVPMILSFRRGSALBE 180
DB      121 GEGNSSQNSRNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVPMILSFRRGSALBE 180
QY      181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPETL 240
DB      181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPETL 240
QY      241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285
DB      241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285

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RESULT 117

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US-10-127-851A-24
; Sequence 24, Application US/10127851A
; Publication No. US2003008269A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C87
; CURRENT APPLICATION NUMBER: US/10/127,851A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT

```

ORGANISM: Homo Sapien
US-10-127-851A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MDSTEREQSLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSSCC 60
DB      1 MDSTEREQSLTSCIKKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALLSSCC 60
QY      61 LTVVSYQVAALQGDLASLRALQGHHAETLPAGAGAPAGAEBAAPVATAGLKIPEPPAP 120
DB      61 LTVVSYQVAALQGDLASLRALQGHHAETLPAGAGAPAGAEBAAPVATAGLKIPEPPAP 120
QY      121 GEGNSSQNSRNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVPMILSFRRGSALBE 180
DB      121 GEGNSSQNSRNRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVPMILSFRRGSALBE 180
QY      181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPETL 240
DB      181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPETL 240
QY      241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285
DB      241 PNNCSYAGIAKLEEGDELQALPRENAQISLDGDTFFGALKL 285

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RESULT 118

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US-10-128-684A-24
; Sequence 24, Application US/10128684A
; Publication No. US20030082700A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C118
; CURRENT APPLICATION NUMBER: US/10/128,684A
; PRIOR FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19

```


PRIOR APPLICATION NUMBER: 60/059588
 PRIOR FILING DATE: 1997-09-19
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-128-684A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCLEKREEMKKECVSILPRKESPSVSSKDKLAAATLLALSSCC 60
 DB 1 MDDSTEREQSRLTSCLEKREEMKKECVSILPRKESPSVSSKDKLAAATLLALSSCC 60
 QY 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 DB 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 QY 121 GEGNSSQNSRKRAVQGPPEETVTDCLQIADSEPTTIQSGSYTFVWMLSPFRGSALAE 180
 DB 121 GEGNSSQNSRKRAVQGPPEETVTDCLQIADSEPTTIQSGSYTFVWMLSPFRGSALAE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 119

US-10-128-686A-24
 Sequence 24, Application US/10128686A
 Publication No. US20030082701A1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerltzen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Matanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C119
 CURRENT APPLICATION NUMBER: US/10/128, 686A
 CURRENT FILING DATE: 2002-04-23
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974
 PRIOR FILING DATE: 1997-08-26
 PRIOR APPLICATION NUMBER: 60/059113
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059115
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059117
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059122

PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059184
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059352
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059588
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-128-686A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCLEKREEMKKECVSILPRKESPSVSSKDKLAAATLLALSSCC 60
 DB 1 MDDSTEREQSRLTSCLEKREEMKKECVSILPRKESPSVSSKDKLAAATLLALSSCC 60
 QY 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 DB 61 LTVVSFYQVAALQGDLSRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKTFEPPAP 120
 QY 121 GEGNSSQNSRKRAVQGPPEETVTDCLQIADSEPTTIQSGSYTFVWMLSPFRGSALAE 180
 DB 121 GEGNSSQNSRKRAVQGPPEETVTDCLQIADSEPTTIQSGSYTFVWMLSPFRGSALAE 180
 QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRCIQNMPELT 240
 DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHFGDELSTVTLFRCIQNMPELT 240
 QY 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNCSAGIAKLEBDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 120

US-10-128-690A-24
 Sequence 24, Application US/10128690A
 Publication No. US20030082702A1
 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerltzen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Matanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3330R1C122
 CURRENT APPLICATION NUMBER: US/10/128, 690A
 CURRENT FILING DATE: 2002-04-23
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974
 PRIOR FILING DATE: 1997-08-26

PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQUENCE ID NO: 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-690A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXGKLLAATLLIALISCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXGKLLAATLLIALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSONSRRKRAVQGEETVTDCLQIADSEPTIQQSGYTFVPMILSPKGSALAE 180
DB 121 GEGNSSONSRRKRAVQGEETVTDCLQIADSEPTIQQSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEBGBDELQAIIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGBDELQAIIPRENAQISLDGDTFFGALKL 285

RESULT 121

US-10-128-691A-24
Sequence 24, Application US/10128691A
Publication No. US20030082703A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME

FILE REFERENCE: P330R1C123
CURRENT APPLICATION NUMBER: US/10/128,691A
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQUENCE ID NO: 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-691A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXGKLLAATLLIALISCC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXGKLLAATLLIALISCC 60
QY 61 LTVVSFYQVAAALQDGLASLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSONSRRKRAVQGEETVTDCLQIADSEPTIQQSGYTFVPMILSPKGSALAE 180
DB 121 GEGNSSONSRRKRAVQGEETVTDCLQIADSEPTIQQSGYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKRVHVGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEBGBDELQAIIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGBDELQAIIPRENAQISLDGDTFFGALKL 285

RESULT 122

US-10-131-819A-24
Sequence 24, Application US/10131819A
Publication No. US20030082704A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria

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APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Matanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C134
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056574
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-819A-24

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Query Match	100.0%	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%	Pred. No. 3.2e-139;		
Matches 285; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

QY	1	MDSTREESRLTSCCKREEMKLECVSIIIPRSESVSSXDKGLAATLTLALLSC	60
Db	1	MDSTREESRLTSCCKREEMKLECVSIIIPRSESVSSXDKGLAATLTLALLSC	60
QY	61	LTVSVFYVALAQDPLASIRAFELQGHNAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP	120
Db	61	LTVSVFYVALAQDPLASIRAFELQGHNAEKLPAGAGAPKAGLEBAPAVTGLKIFEPAP	120
QY	121	GEQNSQNSRNKRAVQGPETVTDCCOLINDSEPTIQGSYTFVPMILSPFGSALE	180
Db	121	GEQNSQNSRNKRAVQGPETVTDCCOLINDSEPTIQGSYTFVPMILSPFGSALE	180
QY	181	KENKILVKEITGYFTYGVLYTDKTYAMGHLIQKCKVHFGDELSVTLFRCIQNNPELT	240
Db	181	KENKILVKEITGYFTYGVLYTDKTYAMGHLIQKCKVHFGDELSVTLFRCIQNNPELT	240
QY	241	PNNSCSAGIATLEBGDELQALIRENAQISLDDVTFPFGAKIL	285
Db	241	PNNSCSAGIATLEBGDELQALIRENAQISLDDVTFPFGAKIL	285

RESULT 123
US-10-131-829A-24
Sequence 24, Application US/01031829A
Publication No. US20030082705A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeGeorge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaeroff, Ellen

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APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3303R1C138
CURRENT APPLICATION NUMBER: US/10/131,829A
PRIORITY FILING DATE: 2002-04-27
CURRENT APPLICATION NUMBER: 60/049911
PRIORITY FILING DATE: 1997-06-18
PRIORITY APPLICATION NUMBER: 60/056974
PRIORITY FILING DATE: 1997-08-26
PRIORITY APPLICATION NUMBER: 60/059113
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059115
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059117
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059122
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059184
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059263
PRIORITY FILING DATE: 1997-09-18
PRIORITY APPLICATION NUMBER: 60/059352
PRIORITY FILING DATE: 1997-09-19
PRIORITY APPLICATION NUMBER: 60/059588
PRIORITY FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-829A-24

```

Query Match	100.0%;	Score 1451;	DB 14;	Length 285;
Best Local Similarity	100.0%;	Pred. No. 3.2e-139;		
Matches 285; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

QY	1	MDSTEEQSRJLTCFKREEMKKECVSLIPRSESVSSXKQKLAATLLALLSSC	60
Db	1	MDSTEEQSRJLTCFKREEMKKECVSLIPRSESVSSXKQKLAATLLALLSSC	60
QY	61	LTVSFRQVALAGDLASLRAELQGHNAFKLPAAGA PKAGLEAPAVTALTKLEPPAP	120
Db	61	LTVSFRQVALAGDLASLRAELQGHNAFKLPAAGA PKAGLEAPAVTALTKLEPPAP	120
QY	121	GEGSSONSNNKKA VOGPEETVODCLOLADSTPTLOKGSYFVFWMLSEFKGSALAE	180
Db	121	GEGSSONSNNKKA VOGPEETVODCLOLADSTPTLOKGSYFVFWMLSEFKGSALAE	180
QY	181	KENKILYKENGFFFIYQVLT YDKTYAMGH:IQKRYVTFGDELSLYTLPRCIONMPETL	240
Db	181	KENKILYKENGFFFIYQVLT YDKTYAMGH:IQKRYVTFGDELSLYTLPRCIONMPETL	240
QY	241	PNNSCYSAGIAKLBEGDQLAIPRENAQISLDGDVFFFGALKLL	285
Db	241	PNNSCYSAGIAKLBEGDQLAIPRENAQISLDGDVFFFGALKLL	285

RESULT 124
US-10-131-836A-24
; Sequence 24, Application US/10131836A

```
Publication No. US20030082706A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gunney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C135
CURRENT APPLICATION NUMBER: US/10/131, 836A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-836A-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATGKTFEPPAP 120
DB 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATGKTFEPPAP 120
QY 121 GEGNSQSNRKRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
DB 121 GEGNSQSNRKRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
QY 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGQVTFPGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGQVTFPGALKLL 285
```

```
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGQVTFPGALKLL 285
RESULT 125
US-10-146-729-24
Sequence 24, Application US/10146729
Publication No. US20030082708A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gunney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C318
CURRENT APPLICATION NUMBER: US/10/146, 729
PRIOR FILING DATE: 2002-05-15
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-729-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;
QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATGKTFEPPAP 120
DB 61 LTVVSFYQVVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPVATGKTFEPPAP 120
QY 121 GEGNSQSNRKRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
DB 121 GEGNSQSNRKRKRAVQGEETVTDCLQIADSEPTIOKGSYTFVFWLISFKRGSALAE 180
QY 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVKEITGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEYL 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGQVTFPGALKLL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGQVTFPGALKLL 285
RESULT 126
US-10-146-791-24
Sequence 24, Application US/10146791
Publication No. US20030082709A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
```

```
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
APPLICANT: Zhanq, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C320
CURRENT APPLICATION NUMBER: US/10/146,791
CURRENT FILING DATE: 2002-05-15
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
LENGTH: 285
SEQ ID NO 24
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-791-24
```

```
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 MDSTREOSRLTSCCKRREMKLKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDSTREOSRLTSCCKRREMKLKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASLRALQGHAEKLPAGAPAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRALQGHAEKLPAGAPAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQILADSEPTTIQKGSYTFVFWMLSKFGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQILADSEPTTIQKGSYTFVFWMLSKFGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQALPREENAQLSLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALPREENAQLSLDGVTFFGALKL 285
```

```
RESULT 127
US-10-147-484-24
Sequence 24, Application US/10147484
Publication No. US20030082710A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
```

```
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C328
CURRENT APPLICATION NUMBER: US/10/147,484
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
LENGTH: 285
SEQ ID NO 24
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-484-24
```

```
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 MDSTREOSRLTSCCKRREMKLKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDSTREOSRLTSCCKRREMKLKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASLRALQGHAEKLPAGAPAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRALQGHAEKLPAGAPAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQILADSEPTTIQKGSYTFVFWMLSKFGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQILADSEPTTIQKGSYTFVFWMLSKFGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQALPREENAQLSLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALPREENAQLSLDGVTFFGALKL 285
```

```
RESULT 128
US-10-147-508-24
Sequence 24, Application US/10147508
Publication No. US20030082711A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C330
CURRENT APPLICATION NUMBER: US/10/147,508
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
LENGTH: 285
SEQ ID NO 24
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-508-24
```

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
DB 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
QY 61 LTVSFYQVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCLQNMPEYL 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 129
US-10-147-512-24
Sequence 24, Application US/10147512
Publication No. US20030082712A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C332
CURRENT APPLICATION NUMBER: US/10/147, 512
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-512-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
DB 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
QY 61 LTVSFYQVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVPMILSFKGSALBE 180

DB 121 GEGNSSQNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCLQNMPEYL 240

QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 130
US-10-175-735-24

Sequence 24, Application US/10175735
Publication No. US20030082715A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C451
CURRENT APPLICATION NUMBER: US/10/175, 735
CURRENT FILING DATE: 2002-06-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-175-735-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
DB 1 MDDSTEREQRLTSCLEKREEMKKECVSILPRKESPVSSKDGKLLAATLILALSSCC 60
QY 61 LTVSFYQVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVPMILSFKGSALBE 180
DB 121 GEGNSSQNRKRAVQGEETVTDCLQILADSEPTIQGSYTFVPMILSFKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCLQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCLQNMPEYL 240
QY 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 131

US-10-121-040-24
; Sequence 24, Application US/10121040
; Publication No. US20030082759A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C7
; CURRENT APPLICATION NUMBER: US/10/121,040
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-040-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREBQSRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
DB 1 MDSTREBQSRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
QY 61 LTVSFYQVALQGDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVALQGDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEKNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALAE 180
DB 121 GEKNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALAE 180
QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLQKKVHVFGEDELSTVTLFRICIONMBETL 240
DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLQKKVHVFGEDELSTVTLFRICIONMBETL 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 132
US-10-121-056-24
; Sequence 24, Application US/10121056
; Publication No. US20030082760A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C25
CURRENT APPLICATION NUMBER: US/10/121,056
CURRENT FILING DATE: 2002-04-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-056-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTREBQSRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
DB 1 MDSTREBQSRLTSCCKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALISCC 60
QY 61 LTVSFYQVALQGDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVALQGDLSRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEKNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALAE 180
DB 121 GEKNSQNSRNKRAVQGEETVTDCLQIADSEPTTIQKSYTFVFWLISFKGSALAE 180
QY 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLQKKVHVFGEDELSTVTLFRICIONMBETL 240
DB 181 KENKILVETGYFFIYGOVLYTDKTYAMGHLQKKVHVFGEDELSTVTLFRICIONMBETL 240
QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 133
US-10-121-061-24
; Sequence 24, Application US/10121061
; Publication No. US20030082761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C24
CURRENT APPLICATION NUMBER: US/10/121,061
CURRENT FILING DATE: 2002-04-12

Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-121-061-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
 DB 1 MDDSTERQSRITSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
 QY 61 LTVSFFVQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVSFFVQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQDLADSETPTIQGSYTFVFWMLSFKRGSALEE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQDLADSETPTIQGSYTFVFWMLSFKRGSALEE 180
 QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
 DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
 QY 241 PNNCSAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
 DB 241 PNNCSAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285

RESULT 134
 US-10-123-235-24
 ; Sequence 24, Application US/10123235
 ; Publication No. US20030082762A1

GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 TITLE OF INVENTION: ACIDS ENCODING THE SAME
 FILE REFERENCE: P3330R1C27
 CURRENT APPLICATION NUMBER: US/10/123,235
 CURRENT FILING DATE: 2002-04-15
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-123-235-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MDDSTERQSRITSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60

DB 1 MDDSTERQSRITSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
 QY 61 LTVSFFVQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVSFFVQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQDLADSETPTIQGSYTFVFWMLSFKRGSALEE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQDLADSETPTIQGSYTFVFWMLSFKRGSALEE 180
 QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
 DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
 QY 241 PNNCSAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
 DB 241 PNNCSAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285

RESULT 135

US-10-124-818-24
 ; Sequence 24, Application US/10124818
 ; Publication No. US20030082763A1

GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 TITLE OF INVENTION: ACIDS ENCODING THE SAME
 FILE REFERENCE: P3330R1C62
 CURRENT APPLICATION NUMBER: US/10/124,818
 CURRENT FILING DATE: 2002-04-17
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-124-818-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRITSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
 DB 1 MDDSTERQSRITSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
 QY 61 LTVSFFVQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 DB 61 LTVSFFVQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
 QY 121 GEGNSQNSRNRKRAVQGEETVTDCLQDLADSETPTIQGSYTFVFWMLSFKRGSALEE 180
 DB 121 GEGNSQNSRNRKRAVQGEETVTDCLQDLADSETPTIQGSYTFVFWMLSFKRGSALEE 180
 QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240
 DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEL 240

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Page 67

Db 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIQRKKVHVGDELIVTLFRCLQNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 136

US-10-137-868-24
; Sequence 24, Application US/10137868
; Publication No. US20030082764A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C152
; CURRENT APPLICATION NUMBER: US/10/137,868
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-137-868-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKRREMKLKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
Db 1 MDDSTEREQSLTSCIKRREMKLKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTQDCQLIADSETPTIQKSYTFVFWLSPFKGSALEE 180
Db 121 GEGNSQNSRNKRAVQGPETVTQDCQLIADSETPTIQKSYTFVFWLSPFKGSALEE 180
QY 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIQRKKVHVGDELIVTLFRCLQNMPETL 240
Db 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIQRKKVHVGDELIVTLFRCLQNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 137

US-10-147-492-24
; Sequence 24, Application US/10147492
; Publication No. US20030082765A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey E.
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C347
CURRENT APPLICATION NUMBER: US/10/147,492
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-492-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCIKRREMKLKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
Db 1 MDDSTEREQSLTSCIKRREMKLKECVSILPRKESPSVRSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 61 LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTQDCQLIADSETPTIQKSYTFVFWLSPFKGSALEE 180
Db 121 GEGNSQNSRNKRAVQGPETVTQDCQLIADSETPTIQKSYTFVFWLSPFKGSALEE 180
QY 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIQRKKVHVGDELIVTLFRCLQNMPETL 240
Db 181 KENKILVETGTFYIGQVLYTDKTYAMGHLIQRKKVHVGDELIVTLFRCLQNMPETL 240
QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 138

US-10-158-782-24
; Sequence 24, Application US/10158782
; Publication No. US20030082766A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey E.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

```

; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C457
; CURRENT APPLICATION NUMBER: US/10/158,782
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-907-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALSSCC 60
QY 61 LTVSFYVAALQGDLSLRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYVAALQGDLSLRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEFTVTDCLQDLADSETPTIQKSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGEFTVTDCLQDLADSETPTIQKSYTFVFWMLSPKGSALAE 180
QY 121 GEGNSQNSRNKRAVQGEFTVTDCLQDLADSETPTIQKSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGEFTVTDCLQDLADSETPTIQKSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPETL 240
DB 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 139
US-10-123-905-24
; Sequence 24, Application US/10123905
; Publication No. US20030087344A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C48
; CURRENT APPLICATION NUMBER: US/10/123,905
; PRIOR FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
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; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-905-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALSSCC 60
QY 61 LTVSFYVAALQGDLSLRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFYVAALQGDLSLRAELQGHAEKLPAGAGPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGEFTVTDCLQDLADSETPTIQKSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGEFTVTDCLQDLADSETPTIQKSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPETL 240
DB 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285
DB 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDVTFFGALKL 285

RESULT 140
US-10-123-907-24
; Sequence 24, Application US/10123907
; Publication No. US20030087345A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C50
; CURRENT APPLICATION NUMBER: US/10/123,907
; PRIOR FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-907-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCLKREEMKKECVSILPRKESPSVRSKDGKLAATLLALSSCC 60
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QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAAGAPKAGLEBAPVATAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAAGAPKAGLEBAPVATAGLKIPEPPAP 120
QY 121 GEGNSSONRNKRAVQGPETVTDCLQILADSEPTTIQSGYTFVPMILSFRRGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTDCLQILADSEPTTIQSGYTFVPMILSFRRGSALAE 180
QY 181 KENKILVKEGTGFYFIQGVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYFIQGVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285

RESULT 141
US-10-124-815-24
; Sequence 24, Application US/10124815
; Publication No. US20030087346A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C57
; CURRENT FILING DATE: 1997-09-17
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059586
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-815-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCLEKKEEMKLEKCVSILPRKESPSVSSKDGKILATLILALISCC 60
DB 1 MDDSTEREOSRLTSCLEKKEEMKLEKCVSILPRKESPSVSSKDGKILATLILALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAAGAPKAGLEBAPVATAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAAGAPKAGLEBAPVATAGLKIPEPPAP 120
QY 121 GEGNSSONRNKRAVQGPETVTDCLQILADSEPTTIQSGYTFVPMILSFRRGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTDCLQILADSEPTTIQSGYTFVPMILSFRRGSALAE 180
QY 181 KENKILVKEGTGFYFIQGVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYFIQGVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285
```

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DB 241 PNNSCYSAGIAKLEBDELQALAPRENAQISLDGDTFFGALKL 285

RESULT 142
US-10-125-921A-24
; Sequence 24, Application US/10125921A
; Publication No. US20030087347A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C76
; CURRENT FILING DATE: 2002-10-15
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059586
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-921A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCLEKKEEMKLEKCVSILPRKESPSVSSKDGKILATLILALISCC 60
DB 1 MDDSTEREOSRLTSCLEKKEEMKLEKCVSILPRKESPSVSSKDGKILATLILALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAAGAPKAGLEBAPVATAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAETLPAAGAPKAGLEBAPVATAGLKIPEPPAP 120
QY 121 GEGNSSONRNKRAVQGPETVTDCLQILADSEPTTIQSGYTFVPMILSFRRGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTDCLQILADSEPTTIQSGYTFVPMILSFRRGSALAE 180
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Db 121 GEGNSQNSRKRKAVQPEETVTDCLQIADSEPTIQRKQSYTFVPMILSPRGSALAE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
RESULT 143
US-10-125-928A-24
Sequence 24, Application US/10125928A
Publication No. US20030087349A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Tamas, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C77
CURRENT APPLICATION NUMBER: US/10125, 928A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-928A-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREGRLTSCLEKREEMKLEKCVSILPRKESPVSVSSKDGKLLAATLILALISCC 60
Db 1 MDSTEREGRLTSCLEKREEMKLEKCVSILPRKESPVSVSSKDGKLLAATLILALISCC 60

QY 61 LTVSFYQVAAIQDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKI FEEDPAP 120
Db 61 LTVSFYQVAAIQDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKI FEEDPAP 120
QY 121 GEGNSQNSRKRKAVQPEETVTDCLQIADSEPTIQRKQSYTFVPMILSPRGSALAE 180
Db 121 GEGNSQNSRKRKAVQPEETVTDCLQIADSEPTIQRKQSYTFVPMILSPRGSALAE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEEGDELQAI PRENAQISLDGDTFFGALKL 285
RESULT 144
US-10-127-821A-24
Sequence 24, Application US/10127821A
Publication No. US20030087350A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Tamas, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C92
CURRENT APPLICATION NUMBER: US/10127, 821A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-821A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQRSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQRSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSSQNSRKRKAVQGPBEETVQDCLQIADSETPTIQGSIYTFVPMILSPKRGSALEE 180
DB 121 GEGNSSQNSRKRKAVQGPBEETVQDCLQIADSETPTIQGSIYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
```

RESULT 145

US-10-127-822A-24

Sequence 24, Application US/10127822A
Publication No. US20030087351A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C91
CURRENT APPLICATION NUMBER: US/10/127,822A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-822A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQRSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
DB 1 MDDSTEREQRSLTSCCKKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSSCC 60
QY 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
DB 61 LTVVSFYQVAAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEEPPAP 120
QY 121 GEGNSSQNSRKRKAVQGPBEETVQDCLQIADSETPTIQGSIYTFVPMILSPKRGSALEE 180
DB 121 GEGNSSQNSRKRKAVQGPBEETVQDCLQIADSETPTIQGSIYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALIPRENAQISLDGDTFFGALKL 285
```

RESULT 146

US-10-127-824A-24

Sequence 24, Application US/10127824A
Publication No. US20030087352A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C92
CURRENT APPLICATION NUMBER: US/10/127,824A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 285
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-824A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

QY 61 LTVASFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEBPAPVTAAGLKIFEPAP 120
DB 61 LTVASFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEBPAPVTAAGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVQSEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSNRKRAVQSEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180

QY 181 KENKILVETGCFYFYQVLYTDKTYAMGHLQKXKVHVGDELSTVTLFRCIQNPETL 240
DB 181 KENKILVETGCFYFYQVLYTDKTYAMGHLQKXKVHVGDELSTVTLFRCIQNPETL 240

QY 241 PNNCSYSGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285
DB 241 PNNCSYSGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285

RESULT 147
US-10-127-826A-24
Sequence 24, Application US/10127826A
Publication No. US20030087353A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C90
CURRENT APPLICATION NUMBER: US/10/127, 826A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115

PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-826A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDSSTEREQSLTSCCLKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

QY 61 LTVASFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEBPAPVTAAGLKIFEPAP 120
DB 61 LTVASFYQVAALQGDLSLRAELQGHHAELPKAGAPKAGLEBPAPVTAAGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVQSEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSNRKRAVQSEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180

QY 181 KENKILVETGCFYFYQVLYTDKTYAMGHLQKXKVHVGDELSTVTLFRCIQNPETL 240
DB 181 KENKILVETGCFYFYQVLYTDKTYAMGHLQKXKVHVGDELSTVTLFRCIQNPETL 240

QY 241 PNNCSYSGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285
DB 241 PNNCSYSGIAKLEEGDELQLAIPRENAQISLDGDTVFPGALKL 285

RESULT 148
US-10-127-827A-24
Sequence 24, Application US/10127827A
Publication No. US20030087354A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C93
CURRENT APPLICATION NUMBER: US/10/127, 827A
CURRENT FILING DATE: 2002-10-16

PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO: 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-827A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERESSRLTSCIKKREEMKKECVSILPRKSPSVSSXGKLLAATLLALLSQC 60
DB 1 MDDSTERESSRLTSCIKKREEMKKECVSILPRKSPSVSSXGKLLAATLLALLSQC 60
QY 61 LTVVFFYQVAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKI FEPAP 120
DB 61 LTVVFFYQVAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKI FEPAP 120
QY 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQSGSYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQSGSYTFVPMILSFRGSALAE 180
QY 181 KENKILVKETGYFFIYGVLYTDKTYAMGHLIQKKVHVFGBDLSLVTLFRCIQNMPELT 240
DB 181 KENKILVKETGYFFIYGVLYTDKTYAMGHLIQKKVHVFGBDLSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 149
US-10-127-828A-24

Sequence 24, Application US/10127828A
Publication No. US20030087355A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C101
CURRENT APPLICATION NUMBER: US/10/127,828A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO: 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-828A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERESSRLTSCIKKREEMKKECVSILPRKSPSVSSXGKLLAATLLALLSQC 60
DB 1 MDDSTERESSRLTSCIKKREEMKKECVSILPRKSPSVSSXGKLLAATLLALLSQC 60
QY 61 LTVVFFYQVAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKI FEPAP 120
DB 61 LTVVFFYQVAALQGDILASLRAELQGHHAERKLPAGAGAPKAGLEAPAVTAGLKI FEPAP 120
QY 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQSGSYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNSRNRKRAVQGPETVTDCLQLIADSEPTIQSGSYTFVPMILSFRGSALAE 180
QY 181 KENKILVKETGYFFIYGVLYTDKTYAMGHLIQKKVHVFGBDLSLVTLFRCIQNMPELT 240
DB 181 KENKILVKETGYFFIYGVLYTDKTYAMGHLIQKKVHVFGBDLSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 150

US-10-127-830A-24

Sequence 24, Application US/10127830A

Publication No. US20030087356A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey

```

APPLICANT: Beresini, Maureen
APPLICANT: Deforse, Laura
APPLICANT: Deenooyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zhenli
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C109
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-832A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Dy 1 MDSTREDSRRTSCCKKREEMKKECVSILPRKSPSPVNSDKGLLATLALLSCC 60
Db 1 MDDSTREDSRRTSCCKKREEMKKECVSILPRKSPSPVNSDKGLLATLALLSCC 60
Dy 61 LTVVSFYVAALQSDLASLRLEQGHAEKLPAGAGAPXGLBEAPAVYNGKLEPPAP 120
Db 61 LTVVSFYVAALQSDLASLRLEQGHAEKLPAGAGAPXGLBEAPAVYNGKLEPPAP 120
Dy 121 GENSNSNSNRKRAVOGSEBEVYTOPCQQLINDSETPTIQGSYTFVFWLISFKSGSALAE 180
Db 121 GENSNSNSNRKRAVOGSEBEVYTOPCQQLINDSETPTIQGSYTFVFWLISFKSGSALAE 180
Dy 181 KENKILIVKETGYFFTYGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNNPEYL 240
Db 181 KENKILIVKETGYFFTYGVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNNPEYL 240
Dy 241 PNNSCYSAGIAKLEBDELOLAIPENNOISLDGDTVFFGALKL 285
Db 241 PNNSCYSAGIAKLEBDELOLAIPENNOISLDGDTVFFGALKL 285

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RESULT 152
US-10-127-833A-24
; Sequence 24, Application US/10127833A
; Publication No. US20030087358A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C95
; CURRENT APPLICATION NUMBER: US/10/127,833A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-833A-24

Query Match      100.0%; Score 1451; DB 14; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 265; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Db      181 KENKLVETGYFFIYGVLVTDKTYANGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
Qy      241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKLL 265
Db      241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKLL 265

RESULT 153
US-10-127-834A-24
; Sequence 24, Application US/10127834A
; Publication No. US20030087359A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C113
; CURRENT APPLICATION NUMBER: US/10/127,834A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059164
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-834A-24

Query Match      100.0%; Score 1451; DB 14; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 265; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Db 61 LTVSFEYQVAALQGDLSLAEIQLGHAEKLPAGAGAPXAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
Db 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285

RESULT 154

US-10-127-836A-24
Sequence 24, Application US/10127836A
Publication No. US20030087360A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C97
CURRENT APPLICATION NUMBER: US/10/127, 836A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-836A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRLTSCIXGKEEMKLCQCVSLIPKXSPSVRSSXDGKLLAATLILALSSC 60
Db 1 MDSTEREQRLTSCIXGKEEMKLCQCVSLIPKXSPSVRSSXDGKLLAATLILALSSC 60
QY 61 LTVSFEYQVAALQGDLSLAEIQLGHAEKLPAGAGAPXAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVSFEYQVAALQGDLSLAEIQLGHAEKLPAGAGAPXAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKSYTFVPMILSFKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPBEETVTDCLQIADSEPTTIQKSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
Db 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSVTLFRCIQNMPETL 240
QY 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTFFGALKL 285

RESULT 155

US-10-127-841A-24
Sequence 24, Application US/10127841A
Publication No. US20030087361A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C108
CURRENT APPLICATION NUMBER: US/10/127, 841A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285

TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-841A-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60
DB 1 MDDSTEREQSRITSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180

QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEGGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEGGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 156
US-10-127-844A-24
Sequence 24, Application US/10127844A
Publication No. US20030087362A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C104
CURRENT APPLICATION NUMBER: US/10/127,844A
PRIORITY FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-844A-24

Query Match
Best Local Similarity 100.0%; Score 1451; DB 14; Length 285;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRITSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60
DB 1 MDDSTEREQSRITSCLEKREEMKKECVSILPRKESPSVSSKXGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120

QY 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGEETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180

QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEGGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEGGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 157
US-10-128-687A-24
Sequence 24, Application US/10128687A
Publication No. US20030087363A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C115
CURRENT APPLICATION NUMBER: US/10/128,687A
PRIORITY FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059122
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059184
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059352
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059588
 PRIOR FILING DATE: 1997-09-19
 Remaining Prior Application data removed - See file wrapper or PAM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-128-687a-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLAATLLALISCC 60
 DB 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSQNSRKRKAVQGEETVTDCLQDLADSETPTIQGSYTFVPMILSPKGSALAE 180
 DB 121 GEGNSSQNSRKRKAVQGEETVTDCLQDLADSETPTIQGSYTFVPMILSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
 QY 241 PNNSCYSAGIAKLBEGBDELQLAIPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLBEGBDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 158
 US-10-128-688a-24
 Sequence 24, Application US/10128688A
 Publication No. US20030087364A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Desnoyers, Luc
 APPLICANT: Flivaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P33081C125
 CURRENT APPLICATION NUMBER: US/10/128, 688A
 PRIOR FILING DATE: 2002-10-15
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974

PRIOR FILING DATE: 1997-08-26
 PRIOR APPLICATION NUMBER: 60/059113
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059115
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059117
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059122
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059184
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059352
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059588
 Remaining Prior Application data removed - See file wrapper or PAM.
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 24
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-128-688a-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLAATLLALISCC 60
 DB 1 MDSTEREQSLRTSCCKKREEMKKECVSILPRKESPSVSSKDGKLAATLLALISCC 60
 QY 61 LTVVSFYQVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
 DB 61 LTVVSFYQVVALQGDLSLRRELQGHAEKLPAGAGAPKGLAEAPAVTAGLKIFEPAP 120
 QY 121 GEGNSSQNSRKRKAVQGEETVTDCLQDLADSETPTIQGSYTFVPMILSPKGSALAE 180
 DB 121 GEGNSSQNSRKRKAVQGEETVTDCLQDLADSETPTIQGSYTFVPMILSPKGSALAE 180
 QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
 DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKKVHVGDLSLVTIFRCIONMBETL 240
 QY 241 PNNSCYSAGIAKLBEGBDELQLAIPRENAQISLDGDTFFGALKL 285
 DB 241 PNNSCYSAGIAKLBEGBDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 159
 US-10-128-689a-24
 Sequence 24, Application US/10128689A
 Publication No. US20030087365A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Desnoyers, Luc
 APPLICANT: Flivaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

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/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P330R1C117
/ CURRENT APPLICATION NUMBER: US/10/128,689A
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-128-689A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALISCC 60
DB 1 MDDSTEREGSRLLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALEE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALEE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240

QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 160
US-10-128-694A-24
/ Sequence 24, Application US/10128694A
/ Publication No. US20030087366A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Godard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
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/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tunas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zhen
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C121
/ CURRENT APPLICATION NUMBER: US/10/128,694A
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-128-694A-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSRLLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALISCC 60
DB 1 MDDSTEREGSRLLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALEE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTPIQKSYTFVFWLISFRGSALEE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGBELSLVTLFRCIQNMPE 240

QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 161
US-10-131-825A-24
/ Sequence 24, Application US/10131825A
/ Publication No. US20030087367A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
```


APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C145
CURRENT APPLICATION NUMBER: US/10/131, 815A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-815A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGFPEETVTDCLQTLADSETPTIQGSYTFVFWLISFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGFPEETVTDCLQTLADSETPTIQGSYTFVFWLISFRGSALEE 180
QY 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDEIQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDEIQLAIPRENAQISLDGVTFFGALKL 285

RESULT 164
US-10-131-817A-24
Sequence 24, Application US/10131817A

Publication No. US20030092104A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C129
CURRENT APPLICATION NUMBER: US/10/131, 817A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-817A-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGFPEETVTDCLQTLADSETPTIQGSYTFVFWLISFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGFPEETVTDCLQTLADSETPTIQGSYTFVFWLISFRGSALEE 180
QY 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMPELT 240
DB 181 KENKILIVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDEIQLAIPRENAQISLDGVTFFGALKL 285

Db 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKLL 285

RESULT 165

US-10-131-822A-24
Sequence 24, Application US/10131822A
Publication No. US2003092105A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C138
CURRENT APPLICATION NUMBER: US/10/131,822A
PRIOR FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-822A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MDDSTEREOSRLTSLCKREEMKKECVSILPRKESPVRSKDGKLLAATLLALISCC 60
QY 1 MDDSTEREOSRLTSLCKREEMKKECVSILPRKESPVRSKDGKLLAATLLALISCC 60
Db 61 LTVASFVOVALQDLSLRAELQGHAAKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 61 LTVASFVOVALQDLSLRAELQGHAAKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
Db 121 GEGNSONSNRKRAVVOGEETVTQDCLIADEETPTIQGSYTFVWLLSFRGSALER 180
QY 121 GEGNSONSNRKRAVVOGEETVTQDCLIADEETPTIQGSYTFVWLLSFRGSALER 180

Db 121 GEGNSONSNRKRAVVOGEETVTQDCLIADEETPTIQGSYTFVWLLSFRGSALER 180
QY 181 KENKILVKEGYFFITQCVLTDTKTYAMGHLIQKKVHYGDELSTVTLFRCIQNMPELL 240
Db 181 KENKILVKEGYFFITQCVLTDTKTYAMGHLIQKKVHYGDELSTVTLFRCIQNMPELL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKLL 285

RESULT 166

US-10-131-822A-24
Sequence 24, Application US/10131822A
Publication No. US2003092105A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C127
CURRENT APPLICATION NUMBER: US/10/131,822A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-822A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MDDSTEREOSRLTSLCKREEMKKECVSILPRKESPVRSKDGKLLAATLLALISCC 60
QY 1 MDDSTEREOSRLTSLCKREEMKKECVSILPRKESPVRSKDGKLLAATLLALISCC 60
Db 1 MDDSTEREOSRLTSLCKREEMKKECVSILPRKESPVRSKDGKLLAATLLALISCC 60

QY 61 LTVSFYQVAALQDGLASRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVAALQDGLASRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 167

US-10-131-828A-24
Sequence 24, Application US/10131828A
Publication No. US2003092107A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarcoff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C140
CURRENT APPLICATION NUMBER: US/10/131,828A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-131-828A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTERQSRITSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALISCC 60
DB 1 MDDSTERQSRITSCLEKREEMKLEKCVSILPRKESPSVSSKDGKLIATLILALISCC 60
QY 61 LTVSFYQVAALQDGLASRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFYQVAALQDGLASRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPPEETVTDCLQIADSEPTIIOKGSYTFVPMILSFKGSALAE 180
QY 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVKEITGYFTIYGQVLYTDKTYAMGHLIOKKVHVFGDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQAIAPRENAQISLDGDTFFGALKL 285

RESULT 168

US-10-131-835A-24
Sequence 24, Application US/10131835A
Publication No. US2003092108A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarcoff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C132
CURRENT APPLICATION NUMBER: US/10/131,835A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-835A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCLKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQRSLTSCCLKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNCSYSGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYSGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 169
US-10-137-864A-24
Sequence 24, Application US/10137864A
Publication No. US20030092110A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C148
CURRENT APPLICATION NUMBER: US/10/137,864A
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17

PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-864A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCLKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
DB 1 MDDSTEREQRSLTSCCLKREEMKKECVSILPRKSPSVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPETVTQDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNCSYSGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYSGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 170
US-10-137-869A-24
Sequence 24, Application US/10137869A
Publication No. US2003009211A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Desforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C147
CURRENT APPLICATION NUMBER: US/10/137,869A
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17

Prior Filing Date: 1997-09-17
Prior Application Number: 60/059117
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059122
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059184
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059263
Prior Filing Date: 1997-09-18
Prior Application Number: 60/059352
Prior Filing Date: 1997-09-19
Prior Application Number: 60/059588
Prior Filing Date: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
Number of Seq ID NOS: 550
Seq ID NO 24
Length: 285
Type: PRT
Organism: Homo Sapien
US-10-137-869A-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
DB 61 LTVVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEVTODCLQIADSEPTIGSYTFVPMILSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEVTODCLQIADSEPTIGSYTFVPMILSPKRSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHFGDELSTVLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHFGDELSTVLFRCIQNMPEPTL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 171
US-10-147-523-24
Sequence 24, Application US/10147523
Publication No. US20030092113A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C459
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 550
Seq ID NO 24
Length: 285
Type: PRT
Organism: Homo Sapien
US-10-147-523-24

Prior Application removed - See File Wrapper or Palm
Number of Seq ID NOS: 550
Seq ID NO 24
Length: 285
Type: PRT
Organism: Homo Sapien
US-10-147-523-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
DB 61 LTVVSFYQVAALQGDILASIRAELOGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEVTODCLQIADSEPTIGSYTFVPMILSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPBEVTODCLQIADSEPTIGSYTFVPMILSPKRSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHFGDELSTVLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLQKRVHFGDELSTVLFRCIQNMPEPTL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 172
US-10-158-785-24
Sequence 24, Application US/10158785
Publication No. US20030092115A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C459
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 550
Seq ID NO 24
Length: 285
Type: PRT
Organism: Homo Sapien
US-10-158-785-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60

Db 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSNRKRAVOGPEETVTDCLQDLADSEPTIQGSTTFVPMWLSFRGSALEE 180
Db 121 GEGNSSQNSNRKRAVOGPEETVTDCLQDLADSEPTIQGSTTFVPMWLSFRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 173

US-10-121-051-24
Sequence 24, Application US/10121051
Publication No. US20030092147A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sharwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C6
CURRENT APPLICATION NUMBER: US/10/121,051
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-051-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
Db 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSNRKRAVOGPEETVTDCLQDLADSEPTIQGSTTFVPMWLSFRGSALEE 180
Db 121 GEGNSSQNSNRKRAVOGPEETVTDCLQDLADSEPTIQGSTTFVPMWLSFRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEYL 240

QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 174

US-10-008-063-5
Sequence 5, Application US/10008063
Publication No. US20030092164A1
GENERAL INFORMATION:

APPLICANT: Grose, Jane A.
APPLICANT: Xu, Wenfeng
APPLICANT: Henne, Randal M.
APPLICANT: Grant, Francis, J.
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
FILE REFERENCE: 00-103
CURRENT APPLICATION NUMBER: US/10/008,063
CURRENT FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 46
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-008-063-5

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
Db 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
Db 61 LTVVSFYQVAALOGDLASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSNRKRAVOGPEETVTDCLQDLADSEPTIQGSTTFVPMWLSFRGSALEE 180
Db 121 GEGNSSQNSNRKRAVOGPEETVTDCLQDLADSEPTIQGSTTFVPMWLSFRGSALEE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEYL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPEYL 240
QY 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBGEDELQLAIPRENAQISLDGDTFFGALKL 285

RESULT 175

US-10-121-042-24
Sequence 24, Application US/10121042
Publication No. US20030096386A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sharwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William

APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C10
CURRENT APPLICATION NUMBER: US/10/121,042
CURRENT FILING DATE: 2002-04-11
PRIORITY APPLICATION removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-042-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERBQSRLTSCCKREEMKLKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
DB 1 MDSTERBQSRLTSCCKREEMKLKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
QY LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVQDCLQIADSEPTTIQKSYTFVFWLLSFKRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVQDCLQIADSEPTTIQKSYTFVFWLLSFKRGSALEE 180
QY 181 KENKILVKEITGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEITGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKLL 285

RESULT 176
US-10-218-547-30
Sequence 30, Application US/10218547
Publication No. US20030100074A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Methods And Compositions For Treating Metabolic Bone Diseases Rel
FILE REFERENCE: P3561
CURRENT APPLICATION NUMBER: US/10/218,547
CURRENT FILING DATE: 2002-08-15
PRIOR APPLICATION NUMBER: 60/312,542
PRIOR FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: 60/330,761
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PatentIn version 3.1
SEQ ID NO 30
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-10-218-547-30

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERBQSRLTSCCKREEMKLKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
DB 1 MDSTERBQSRLTSCCKREEMKLKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
QY LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKRAVQGPBEETVQDCLQIADSEPTTIQKSYTFVFWLLSFKRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVQDCLQIADSEPTTIQKSYTFVFWLLSFKRGSALEE 180
QY 181 KENKILVKEITGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEITGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKLL 285

RESULT 177
US-10-123-912-24
Sequence 24, Application US/10123912
Publication No. US20030100087A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Betesini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarioff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C55
CURRENT APPLICATION NUMBER: US/10/123,912
CURRENT FILING DATE: 2002-04-16
PRIORITY APPLICATION removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-912-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERBQSRLTSCCKREEMKLKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
DB 1 MDSTERBQSRLTSCCKREEMKLKECVSILPRKESPSVRSSKDGKLAATLLALLSSCC 60
QY LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB LTVVSFYQVAALQGDILASIRAELOGHHAETLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRNKRAVQGPBEETVQDCLQIADSEPTTIQKSYTFVFWLLSFKRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVQDCLQIADSEPTTIQKSYTFVFWLLSFKRGSALEE 180
QY 181 KENKILVKEITGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEITGYFFIYGOVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGDELQAIIPRENAQISLDGVTFFGALKLL 285

```

RESULT 178
US-10-223-085-98
; Sequence 98, Application US/10223085
; Publication No. US20030100497A1
; GENERAL INFORMATION:
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Masters, Scot A.
; APPLICANT: Pan, James
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Williams, P Mickey
; APPLICANT: Ye, Weilian
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
; FILE REFERENCE: P3235P1C10
; CURRENT APPLICATION NUMBER: US/10/223,085
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 10/081,056
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/213,637
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/219,556
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: US 60/220,624
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/220,664
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/222,695
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: US 09/643,657
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23528
; PRIOR FILING DATE: 2000-08-24
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 383
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-223-085-98

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY      241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDTVPFGALKL 285
DB      241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDTVPFGALKL 285

RESULT 179
US-10-152-363A-3
; Sequence 3, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; APPLICANT: Gross, Jane A.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; FILE REFERENCE: 01-20
; CURRENT APPLICATION NUMBER: US/10/152,363A
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/293,343
; PRIOR FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-152-363A-3

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MDDSTERBOSRLTSCIKRREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
DB      1 MDDSTERBOSRLTSCIKRREEMKKECVSILPRKESPSVSSKDGKLAATLTLALISCC 60
QY      61 LTVASFYQVAAALQDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB      61 LTVASFYQVAAALQDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY      121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIOKGSYTFVFWMLSPKGSALAE 180
DB      121 GEGNSSQNSRNKRAVQGEETVTDCLQIADSETPTIOKGSYTFVFWMLSPKGSALAE 180
QY      181 KENKILVETGYFFIYGQVLTDTKTAMGHLIOKRYKAVFDELSLTLFRCIONMPEEL 240
DB      181 KENKILVETGYFFIYGQVLTDTKTAMGHLIOKRYKAVFDELSLTLFRCIONMPEEL 240
QY      241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDTVPFGALKL 285
DB      241 PNNCSYAGIAKLEBDELQLAIPRENAQISLDGDTVPFGALKL 285

RESULT 180
US-10-192-007-24
; Sequence 24, Application US/10192007
; Publication No. US20030104544A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bersini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: DeMoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William

```

APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C281
CURRENT APPLICATION NUMBER: US/10/192,007
CURRENT FILING DATE: 2002-07-09
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
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PRIOR FILING DATE: 1997-09-19
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PRIOR FILING DATE: 1997-09-24
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PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/062816
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PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063082
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063327
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
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PRIOR FILING DATE: 1997-10-29
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PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453

PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22

PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088730
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088741
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALSSCC 60
DB 1 MDSSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAAQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVWMLSPKGSALAE 180
DB 121 GEGNSQNSRKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDTKTYAMGHLQKRYVHFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDTKTYAMGHLQKRYVHFGDELSTVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTVFFGALKL 285

RESULT 181
US-10-194-359-24
Sequence 24, Application US/10194359
Publication No. US20030104545A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Inc
APPLICANT: Flivazoff, Ellen
APPLICANT: Geo, Wei-Qiang
APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin X
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACTINS ENCODING THE SAME
FILE REFERENCE: P330R1C315
CURRENT APPLICATION NUMBER: US/10/194,359
CURRENT FILING DATE: 2002-07-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-194-359-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALSSCC 60
DB 1 MDSSTEREQRLTSCCLKREEMKKECVSILPRKESPVSSXDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAAQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAAQDGLASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSRKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVWMLSPKGSALAE 180
DB 121 GEGNSQNSRKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDTKTYAMGHLQKRYVHFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDTKTYAMGHLQKRYVHFGDELSTVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIIPRENAQISLDGDTVFFGALKL 285

RESULT 182
US-10-223-084-98
Sequence 98, Application US/10223084
Publication No. US20030105011A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Ferrara, Napoleone
APPLICANT: Ferrer, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Masters, Scot A.
APPLICANT: Pan, James
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Williams, P. Mickey
APPLICANT: Ye, Weilan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
FILE REFERENCE: P3235P1C5
CURRENT APPLICATION NUMBER: US/10/223,084
CURRENT FILING DATE: 2002-08-16

PRIOR APPLICATION NUMBER: US 10/081,056
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/213,637
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/219,556
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/220,624
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/220,664
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/222,695
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US 09/643,657
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 383
SEQ ID NO 98
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-223-084-98

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
US-10-223-084-98

QY 1 MDDSTEREQSRLTSCCKRKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSRLTSCCKRKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONRKRKAVQGPBEVTVDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSONRKRKAVQGPBEVTVDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285

RESULT 183
US-10-223-088-98
Sequence 98, Application US/10223088
Publication No. US20030105012A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scott A.
APPLICANT: Pan, James
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Williams, P. Mickey
APPLICANT: Ye, Weilan

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
FILE REFERENCE: P335P1C6
CURRENT APPLICATION NUMBER: US/10/223,088
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 10/081,056
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/213,637
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/219,556
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/220,624
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/220,664
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/222,695
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US 09/643,657
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 383
SEQ ID NO 98
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-223-088-98

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
US-10-223-088-98

QY 1 MDDSTEREQSRLTSCCKRKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSRLTSCCKRKEEMKKECVSILPRKESPSVSSKDGKLLAATLLALSSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONRKRKAVQGPBEVTVDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
DB 121 GEGNSSONRKRKAVQGPBEVTVDCLQILADSETPTIQGSYTFVFWMLSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDTVFFGALKL 285

RESULT 184
US-10-223-090-98
Sequence 98, Application US/10223090
Publication No. US20030105013A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scott A.
APPLICANT: Pan, James

APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Williams, P. Mickey
APPLICANT: Ye, Weilian
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
FILE REFERENCE: P3235P1C2
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 10/081,056
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/213,637
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/219,556
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/220,624
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/220,664
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/222,695
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US 09/643,657
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 383
SEQ ID NO 98
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
US-10-223-090-98
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEEGSRRTSCLEKREEMKKECVSLTPRKESVSRSXSDCKLAAITLLALSSC 60
DB 1 MDSTEEGSRRTSCLEKREEMKKECVSLTPRKESVSRSXSDCKLAAITLLALSSC 60
QY 61 LTVSFQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSNSNRKRAVQPEETVTQDCQLIADSETPTIQGSTTVPWLISFRGSALAE 180
DB 121 GEGNSNSNRKRAVQPEETVTQDCQLIADSETPTIQGSTTVPWLISFRGSALAE 180
QY 181 KENKILVKEGTGYPFYQCVLYTDPKTYMGLIQRKKVHFGDELSTVTLFRCIQNPETL 240
DB 181 KENKILVKEGTGYPFYQCVLYTDPKTYMGLIQRKKVHFGDELSTVTLFRCIQNPETL 240
QY 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGVTFFGALKL 285
RESULT 185
US-10-223-087-98
Sequence 98, Application US/10223087
Publication No. US20030109438A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Ferrara, Napoleone
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Marsters, Scot A.
APPLICANT: Pan, James
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Williams, P. Mickey
APPLICANT: Ye, Weilian
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
FILE REFERENCE: P3235P1C4
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 10/081,056
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/213,637
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/219,556
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/220,624
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/220,664
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-02
PRIOR APPLICATION NUMBER: US 09/643,657
PRIOR FILING DATE: 2000-08-17
PRIOR APPLICATION NUMBER: PCT/US00/23522
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/230,978
PRIOR FILING DATE: 2000-09-07
PRIOR APPLICATION NUMBER: US 60/232,887
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 09/664,610
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 60/242,922
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 09/709,238
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: PCT/US00/30952
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: PCT/US00/30873
PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 09/747,259
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US00/34956
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: US 09/767,609
PRIOR FILING DATE: 2001-01-22
PRIOR APPLICATION NUMBER: US 09/796,498
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/06666
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: US 09/802,706
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: US 09/808,689
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: US 09/816,744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: US 09/828,366
PRIOR FILING DATE: 2001-04-05

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/ PRIOR APPLICATION NUMBER: US 09/854,208
/ PRIOR FILING DATE: 2001-05-10
/ PRIOR APPLICATION NUMBER: US 09/854,280
/ PRIOR FILING DATE: 2001-05-10
/ PRIOR APPLICATION NUMBER: US 09/866,028
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 09/866,034
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: PCT/US01/17092
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 09/870,574
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: PCT/US01/17443
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: PCT/US01/17800
/ PRIOR FILING DATE: 2001-06-01
/ PRIOR APPLICATION NUMBER: PCT/US01/19692
/ PRIOR FILING DATE: 2001-06-20
/ PRIOR APPLICATION NUMBER: PCT/US01/21066
/ PRIOR FILING DATE: 2001-06-29
/ PRIOR APPLICATION NUMBER: PCT/US01/21735
/ PRIOR FILING DATE: 2001-07-09
/ NUMBER OF SEQ ID NOS: 383
/ SEQ ID NO 98
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-223-087-98

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Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVSSKDGKLTALTLALSCC 60
DB 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVSSKDGKLTALTLALSCC 60
QY 61 LTVVSFYQVAALQGDILASLPAELQGHAEKLPAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLPAELQGHAEKLPAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

```

RESULT 186

US-10-127-847A-24

```

/ Sequence 24, Application US/10127847A
/ Publication No. US20030119103A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Geritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel

```

```

/ APPLICANT: Matanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zhenli
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C11
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: US/10/127,847A
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-847A-24

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Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVSSKDGKLTALTLALSCC 60
DB 1 MDDSTEREQSLTSCIKKEEMKKECVSILPRKSPSVSSKDGKLTALTLALSCC 60
QY 61 LTVVSFYQVAALQGDILASLPAELQGHAEKLPAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLPAELQGHAEKLPAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
DB 121 GEGNSSQNSRNRKAVQGPPEVTYQDCLQIADSETPTIQGSYTFVPMILSFRGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

```

RESULT 187

US-10-223-083-98

```

/ Sequence 98, Application US/10223083
/ Publication No. US20030119112A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Geritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.

```

```

; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Masters, Scott A.
; APPLICANT: Pan, James
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Ye, Weilian
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF DISORDERS INVOLVING ANGIOGENESIS
; FILE REFERENCE: P3235P1C3
; CURRENT FILING DATE: 2002-08-16
; PRIOR FILING DATE: 2002-02-20
; PRIOR FILING DATE: 2002-02-20
; PRIOR FILING DATE: 2000-06-23
; PRIOR FILING DATE: 2000-06-23
; PRIOR FILING DATE: 2000-07-20
; PRIOR FILING DATE: 2000-07-20
; PRIOR FILING DATE: 2000-07-25
; PRIOR FILING DATE: 2000-07-25
; PRIOR FILING DATE: 2000-07-25
; PRIOR FILING DATE: 2000-07-28
; PRIOR FILING DATE: 2000-07-28
; PRIOR FILING DATE: 2000-08-02
; PRIOR FILING DATE: 2000-08-02
; PRIOR FILING DATE: 2000-08-17
; PRIOR FILING DATE: 2000-08-17
; PRIOR FILING DATE: 2000-08-23
; PRIOR FILING DATE: 2000-08-23
; PRIOR FILING DATE: 2000-08-24
; PRIOR FILING DATE: 2000-08-24
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 363
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-223-083-98

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCLKREEMKKECVSTILPRKESPSVSSKDGKLLAATLLALSSCC 60
DB 1 MDSTEREQSLTSCCLKREEMKKECVSTILPRKESPSVSSKDGKLLAATLLALSSCC 60
QY 61 LTVSFFQVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSNRKRAVQGEETVTDCLQIADSEPTIQGSTTFVFWMLSPKGSALFE 180
DB 121 GEGNSQNSNRKRAVQGEETVTDCLQIADSEPTIQGSTTFVFWMLSPKGSALFE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKRVHVGDELSVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKRVHVGDELSVTLFRCIQNMPEYL 240
QY 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285
DB 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285

RESULT 188
US-10-175-590-24
; Sequence 24, Application US/10175590
; Publication No. US20030122350A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen

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; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P33081C342
; CURRENT FILING DATE: 2002-06-18
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-175-590-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSLTSCCLKREEMKKECVSTILPRKESPSVSSKDGKLLAATLLALSSCC 60
DB 1 MDSTEREQSLTSCCLKREEMKKECVSTILPRKESPSVSSKDGKLLAATLLALSSCC 60
QY 61 LTVSFFQVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAALQGDLSLRALQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSQNSNRKRAVQGEETVTDCLQIADSEPTIQGSTTFVFWMLSPKGSALFE 180
DB 121 GEGNSQNSNRKRAVQGEETVTDCLQIADSEPTIQGSTTFVFWMLSPKGSALFE 180
QY 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKRVHVGDELSVTLFRCIQNMPEYL 240
DB 181 KENKILVETGYFFIYQGVLYTDKTYAMGHLIQKRVHVGDELSVTLFRCIQNMPEYL 240
QY 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285
DB 241 PNNSCYAGIAKLEEGDELQAIIPRENAQISLDGDVTFPGALKL 285

RESULT 189
US-10-223-089-98
; Sequence 98, Application US/10223089
; Publication No. US20030125521A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Masters, Scott A.
; APPLICANT: Pan, James
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Ye, Weilian

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: P3235P1C9
; CURRENT APPLICATION NUMBER: US/10/1223, 089
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 10/081,056
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/213,637
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/219,556
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: US 60/220,624
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/220,664
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/222,695
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: US 09/643,657
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 98
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-223-089-98

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCCKKREEMKLEKCVSILRKESPSVRSKDGKLAATLLALSGC 60
Db 1 MDDSTEREQSRLTSCCKKREEMKLEKCVSILRKESPSVRSKDGKLAATLLALSGC 60
QY 61 LTVSVYQVAALQGDILASIPALQGHAEKLPAGAGAPAGIEAPVATAGKIEPPAP 120
Db 61 LTVSVYQVAALQGDILASIPALQGHAEKLPAGAGAPAGIEAPVATAGKIEPPAP 120
QY 121 GGNSSQNRNRKRAVGGPEETVTOCLQIADSEPTIOKGSYTFVPMILSKRGSALAE 180
Db 121 GGNSSQNRNRKRAVGGPEETVTOCLQIADSEPTIOKGSYTFVPMILSKRGSALAE 180
QY 181 KENKILVKEITGYFFIYQVLYTDKTYAMGHLIQKKVHYFGDELIVLTFRCIQMPETL 240
Db 181 KENKILVKEITGYFFIYQVLYTDKTYAMGHLIQKKVHYFGDELIVLTFRCIQMPETL 240
QY 241 PNNSCSAGIATLEBDEQLAIIPRENAQISLDGVTFFGALKL 285
Db 241 PNNSCSAGIATLEBDEQLAIIPRENAQISLDGVTFFGALKL 285

RESULT 190
US-10-137-866-24
; Sequence 24, Application US/10137866
; Publication No. US20030129689A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P33081C151
; CURRENT APPLICATION NUMBER: US/10/137, 866
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059836
; PRIOR FILING DATE: 1997-09-24
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062285
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062814
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/062816
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063045
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063082
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/063127
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063327
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: 60/063329
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: 60/063550
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063561
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063704
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063733
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063735
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063738
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064248
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/064809
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/065166
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PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065846
 PRIOR FILING DATE: 1997-11-17
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
 PRIOR APPLICATION NUMBER: 60/066453
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066511
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/069212
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069278
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069334
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069694
 PRIOR FILING DATE: 1997-12-16
 PRIOR APPLICATION NUMBER: 60/072320
 PRIOR FILING DATE: 1998-01-23
 PRIOR APPLICATION NUMBER: 60/073612
 PRIOR FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: 60/074086
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/074092
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-02-27
 PRIOR APPLICATION NUMBER: 60/079728
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/080155
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/081203
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081229
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081635
 PRIOR FILING DATE: 1998-04-14
 PRIOR APPLICATION NUMBER: 60/081817
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081818
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/082999
 PRIOR FILING DATE: 1998-04-24
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/083545
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084627
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084637
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/085149
 PRIOR FILING DATE: 1998-05-12
 PRIOR APPLICATION NUMBER: 60/085323
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085338
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085339
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697
 PRIOR FILING DATE: 1998-05-15

PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/086414
 PRIOR FILING DATE: 1998-05-22
 PRIOR APPLICATION NUMBER: 60/086430
 PRIOR FILING DATE: 1998-05-22
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/088026
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088730
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088741
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088810
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088858
 PRIOR FILING DATE: 1998-06-11
 PRIOR APPLICATION NUMBER: 60/089532
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089599
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089907
 PRIOR FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: 60/089947
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/090349
 PRIOR FILING DATE: 1998-06-23
 PRIOR APPLICATION NUMBER: 60/090429
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090445
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090538
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3.2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTERQSRUTJCLCKREEMKKECVSILPRKSSVSXSSXGKLLAATLIALISC 60
 DB 1 MDDSTERQSRUTJCLCKREEMKKECVSILPRKSSVSXSSXGKLLAATLIALISC 60
 QY 61 LTVVSFYVALQDGLASLRALQGHHAERKUPAGAGAPKAGLEBAPAVTAGLKFEBPAP 120
 DB 61 LTVVSFYVALQDGLASLRALQGHHAERKUPAGAGAPKAGLEBAPAVTAGLKFEBPAP 120
 QY 121 GEGNSSQNSRNKRAVQGEETVTDDCQLIADSETPTIQSGSYTFVFWMLSPKGSALAE 180
 DB 121 GEGNSSQNSRNKRAVQGEETVTDDCQLIADSETPTIQSGSYTFVFWMLSPKGSALAE 180
 QY 181 KENKILVETGTFPIYGQVLTDTKTYMGHLIOKKKYHVGEDESLVTLFRCIOMMETL 240
 DB 181 KENKILVETGTFPIYGQVLTDTKTYMGHLIOKKKYHVGEDESLVTLFRCIOMMETL 240
 QY 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTVFFGALKL 285
 DB 241 PNNCSYAGIAKLEBGEDELQAIIPRENAQISLDGDTVFFGALKL 285

RESULT 191
 US-10-146-726-24
 ; Sequence 24, Application US/10146726
 ; Publication No. US20030129690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.

```
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C308
CURRENT APPLICATION NUMBER: US/10/146,726
Prior Filing DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-726-24
```

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSXDKKLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSXDKKLAATLILALISCC 60
QY 61 LTVVSFYQVAALQDILASLRAEIQGHIAKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQDILASLRAEIQGHIAKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIQSGSYTFVPMILSPKSGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIQSGSYTFVPMILSPKSGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
```

RESULT 192

US-10-146-727-24

Sequence 24, Application US/10146727

Publication No. US20030129691A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel

```
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C312
CURRENT APPLICATION NUMBER: US/10/146,727
Prior Filing DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-146-727-24
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Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSXDKKLAATLILALISCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKSPSVSSXDKKLAATLILALISCC 60
QY 61 LTVVSFYQVAALQDILASLRAEIQGHIAKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQDILASLRAEIQGHIAKLPAGAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIQSGSYTFVPMILSPKSGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGPPEETVODCLQIADSEPTIQSGSYTFVPMILSPKSGSALAE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQRKKVHVGDELSVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
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RESULT 193

US-10-146-788-24

Sequence 24, Application US/10146788

Publication No. US20030129693A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C322
CURRENT APPLICATION NUMBER: US/10/146,788
Prior Filing DATE: 2002-05-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT

ORGANISM: Homo Sapien
US-10-146-788-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCLKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREQSRILTSCLKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGEETVTDCLQILADSEPTIIOKGSYTFVPMILSFRKGSALBE 180
DB 121 GEGNSSONSRRKRAVQGEETVTDCLQILADSEPTIIOKGSYTFVPMILSFRKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVVHFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVVHFGDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 194

US-10-152-380-24
Sequence 24, Application US/10152380
Publication No. US20030129694A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C397
CURRENT APPLICATION NUMBER: US/10/152.380
CURRENT FILING DATE: 2002-05-21
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-152-380-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCLKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREQSRILTSCLKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120

DB 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGEETVTDCLQILADSEPTIIOKGSYTFVPMILSFRKGSALBE 180
DB 121 GEGNSSONSRRKRAVQGEETVTDCLQILADSEPTIIOKGSYTFVPMILSFRKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVVHFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVVHFGDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 195

US-10-153-934-24
Sequence 24, Application US/10153934
Publication No. US20030129695A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C412
CURRENT APPLICATION NUMBER: US/10/153.934
CURRENT FILING DATE: 2002-05-22
Prior Application removed - See file wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-153-934-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRILTSCLKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
DB 1 MDDSTEREQSRILTSCLKREEMKKECVSILPRKESPSVSSKDGKILATLILALSSCC 60
QY 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVALQGDILASLRALQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSONSRRKRAVQGEETVTDCLQILADSEPTIIOKGSYTFVPMILSFRKGSALBE 180
DB 121 GEGNSSONSRRKRAVQGEETVTDCLQILADSEPTIIOKGSYTFVPMILSFRKGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVVHFGDELSVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQRKVVHFGDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285


```
RESULT 196
US-10-140-807-24
; Sequence 24, Application US/10140807
; Publication No. US20030134354A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C174
; CURRENT APPLICATION NUMBER: US/10/140,807
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-807-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERRQSRLTSCIKRREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLLSCC 60
DB 1 MDSTERRQSRLTSCIKRREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTTIQKGYTFVFWLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTTIQKGYTFVFWLSPKGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285

RESULT 197
US-10-140-924-24
; Sequence 24, Application US/10140924
; Publication No. US20030134355A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
```

```
APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C177
; CURRENT APPLICATION NUMBER: US/10/140,924
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-924-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTERRQSRLTSCIKRREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLLSCC 60
DB 1 MDSTERRQSRLTSCIKRREEMKKECVSILPRKSPSVSSKDGKLLAATLLALLLSCC 60
QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
DB 61 LTVVSFYQVAALQGDLSLRAELQGHHAETLPAGAGAPKAGLEAPAVTAGIKTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTTIQKGYTFVFWLSPKGSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVTDCLQIADSEPTTIQKGYTFVFWLSPKGSALAE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELSTVTLFRCIQNMPE 240
QY 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAPRENAQISLDGDTFFGALKL 285

RESULT 198
US-10-140-926-24
; Sequence 24, Application US/10140926
; Publication No. US20030134356A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

FILE REFERENCE: P3330R1C187
CURRENT APPLICATION NUMBER: US/10/140,926
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-926-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRILSCCLKREEMKKECVSLIPRKESPVSSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQSRILSCCLKREEMKKECVSLIPRKESPVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRBELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRBELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSFRGSALEE 180
DB 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSFRGSALEE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 199

US-10-141-698-24
Sequence 24, Application US/10141698
Publication No. US20030134357A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C206
CURRENT APPLICATION NUMBER: US/10/141,698
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-698-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSRILSCCLKREEMKKECVSLIPRKESPVSSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQSRILSCCLKREEMKKECVSLIPRKESPVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRBELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRBELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSFRGSALEE 180
DB 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSFRGSALEE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
QY 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 200

US-10-141-702-24
Sequence 24, Application US/10141702
Publication No. US20030134358A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C208
CURRENT APPLICATION NUMBER: US/10/141,702
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-702-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQSRILSCCLKREEMKKECVSLIPRKESPVSSKDGKLLAATLLALISCC 60
DB 1 MDSTEREQSRILSCCLKREEMKKECVSLIPRKESPVSSKDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRBELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRBELQGHHAERKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSFRGSALEE 180
DB 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSETPTIQGSTYFVPMILSFRGSALEE 180

QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 201
US-10-141-704-24
Sequence 24, Application US/10141704
Publication No. US20030134359A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C209
CURRENT APPLICATION NUMBER: US/10/141,704
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-704-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSSDGKILATLLALISCC 60
DB 1 MDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSSDGKILATLLALISCC 60
QY 61 LTVVSFYQVAALQDGLASLRAELQGHHAELPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAALQDGLASLRAELQGHHAELPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPBEVTQDCLQIADSEPTTIQKGSYTFVFWLISFKRGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGPBEVTQDCLQIADSEPTTIQKGSYTFVFWLISFKRGSALAE 180
QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

Publication No. US20030134360A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C218
CURRENT APPLICATION NUMBER: US/10/142,421
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-421-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSSDGKILATLLALISCC 60
DB 1 MDSTEREQRSLTSCIKKREEMKKECVSILPRKSPSVSSSDGKILATLLALISCC 60
QY 61 LTVVSFYQVAALQDGLASLRAELQGHHAELPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVAALQDGLASLRAELQGHHAELPAGAGAPKAGLEBAPAVTGLKIFEPAP 120
QY 121 GEGNSQNSRNRKRAVQGPBEVTQDCLQIADSEPTTIQKGSYTFVFWLISFKRGSALAE 180
DB 121 GEGNSQNSRNRKRAVQGPBEVTQDCLQIADSEPTTIQKGSYTFVFWLISFKRGSALAE 180
QY 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGVLYTDTKYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 202
US-10-142-421-24
Sequence 24, Application US/10142421

US-10-142-432-24
Sequence 24, Application US/10142432
Publication No. US20030134361A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven

```

; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Matanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C215
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO: 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-432-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSONSNRKRAVQPEETVTDCLQTLADSEPTTIQGSYTFVPMWLSFRGSALEE 180
DB 121 GEGNSONSNRKRAVQPEETVTDCLQTLADSEPTTIQGSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVKEGTGYFTYGOVLYTDKTYAMGHLQKKVHVFGDELSTVTLFRCIQNNPETL 240
DB 181 KENKILVKEGTGYFTYGOVLYTDKTYAMGHLQKKVHVFGDELSTVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 204
US-10-142-767-24
; Sequence 24, Application US/10142767
; Publication No. US20030134362A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C241
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550

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; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-767-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSONSNRKRAVQPEETVTDCLQTLADSEPTTIQGSYTFVPMWLSFRGSALEE 180
DB 121 GEGNSONSNRKRAVQPEETVTDCLQTLADSEPTTIQGSYTFVPMWLSFRGSALEE 180
QY 181 KENKILVKEGTGYFTYGOVLYTDKTYAMGHLQKKVHVFGDELSTVTLFRCIQNNPETL 240
DB 181 KENKILVKEGTGYFTYGOVLYTDKTYAMGHLQKKVHVFGDELSTVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 205
US-10-143-033-24
; Sequence 24, Application US/10143033
; Publication No. US20030134363A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C246
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-143-033-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSKDGKLLAATLLALLSCC 60

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Page 103

QY 61 LTVSFYQVALQGDPLASIRBELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
Db 61 LTVSFYQVALQGDPLASIRBELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
QY 121 GEGNSSQSRNKRRAVQGPETTYTORCLOLIADSEPTTQKSYTFVPMILSPKGSALAE 180
Db 121 GEGNSSQSRNKRRAVQGPETTYTORCLOLIADSEPTTQKSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFTYGVQVLYTDKTYAMGHLIQRKKVHFGBELSLVTLFRCIQMPETL 240
Db 181 KENKILVETGYFFTYGVQVLYTDKTYAMGHLIQRKKVHFGBELSLVTLFRCIQMPETL 240
QY 241 PNNSCYSAGIACLBEGDELOLAIPRENAQISIDGVTPFGALKL 285
Db 241 PNNSCYSAGIACLBEGDELOLAIPRENAQISIDGVTPFGALKL 285

RESULT 206
US-10-144-994-24

Sequence 24, Application US/10144994
Publication No. US20030134364A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarolt, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C257
CURRENT APPLICATION NUMBER: US/10/144,994
CURRENT FILING DATE: 2002-05-13
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
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PRIOR FILING DATE: 1997-09-19
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-27
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PRIOR FILING DATE: 1997-11-17
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PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1997-12-11
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PRIOR FILING DATE: 1998-02-04
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PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
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PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203

PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-24
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PRIOR FILING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091982
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLIALISC 60
DB 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLIALISC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSNKRRAVQGPPEETVTDCLQTLADEPTIQKSYTFVFWLISFRKGSALBE 180
DB 121 GEGNSQNSNKRRAVQGPPEETVTDCLQTLADEPTIQKSYTFVFWLISFRKGSALBE 180
QY 181 KENKILVETGYFFITQVLTDTKTVMGHLIQKKNHVGDELISVTLFRCLQNNPETL 240
DB 181 KENKILVETGYFFITQVLTDTKTVMGHLIQKKNHVGDELISVTLFRCLQNNPETL 240
QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKLL 285
RESULT 207
US-10-145-628-24
Sequence 24, Application US/10145628
Publication No. US20030134365A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P33081C21
CURRENT FILING DATE: US/10/145,628
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-628-24
Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLIALISC 60
DB 1 MDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLIALISC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEAPAVTAGLKIPEPPAP 120

QY 121 GEGNSONSRRKRAVQGPPEEVTODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
DB 121 GEGNSONSRRKRAVQGPPEEVTODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 208
US-10-145-746-24
Sequence 24, Application US/10145746
Publication No. US20030134366A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C269
CURRENT APPLICATION NUMBER: US/10/145,746
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-746-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 209
US-10-145-748-24
Sequence 24, Application US/10145748
Publication No. US20030134367A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C283
CURRENT APPLICATION NUMBER: US/10/145,748
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-748-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKREEMKKECVSILPRKESPVSSSKDGKLLAATLLALALSCC 60
DB 1 MDDSTEREQRSLTSCIKREEMKKECVSILPRKESPVSSSKDGKLLAATLLALALSCC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
QY 121 GEGNSONSRRKRAVQGPPEEVTODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
DB 121 GEGNSONSRRKRAVQGPPEEVTODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 210
US-10-145-823-24
Sequence 24, Application US/10145823
Publication No. US20030134368A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.

QY 1 MDDSTEREQRSLTSCIKREEMKKECVSILPRKESPVSSSKDGKLLAATLLALALSCC 60
DB 1 MDDSTEREQRSLTSCIKREEMKKECVSILPRKESPVSSSKDGKLLAATLLALALSCC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHHAELKLPAGAGAPKAGLEBAPVATAGLKIFEPAP 120
QY 121 GEGNSONSRRKRAVQGPPEEVTODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
DB 121 GEGNSONSRRKRAVQGPPEEVTODCLQIADSEPTIOKGSYTFVPMILSPKRGSALEE 180
QY 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
DB 181 KENKILVKEGTGYFFIYQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 210
US-10-145-823-24
Sequence 24, Application US/10145823
Publication No. US20030134368A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyere, Laura
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C262
CURRENT APPLICATION NUMBER: US/10/145,823
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-823-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSLTSCIKKREMKKECVSLPKKESPVRSRSDGKLLATLLALISCC 60
DB 1 MDDSTEREGSLTSCIKKREMKKECVSLPKKESPVRSRSDGKLLATLLALISCC 60

QY 61 LTVVSFTQVALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFTQVALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVPMILSFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVPMILSFRGSALEE 180

QY 181 KENKILVKETGYFTYGOVLYTDKTYAMGHLQKKYHVHGDLSVTLFRCIQNMPELT 240
DB 181 KENKILVKETGYFTYGOVLYTDKTYAMGHLQKKYHVHGDLSVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFFGALKXL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFFGALKXL 285

RESULT 211
US-10-145-826-24
Sequence 24, Application US/10145826
Publication No. US20030134369A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C284

CURRENT APPLICATION NUMBER: US/10/145,826
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-826-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREGSLTSCIKKREMKKECVSLPKKESPVRSRSDGKLLATLLALISCC 60
DB 1 MDDSTEREGSLTSCIKKREMKKECVSLPKKESPVRSRSDGKLLATLLALISCC 60

QY 61 LTVVSFTQVALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFTQVALQGDLLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVPMILSFRGSALEE 180
DB 121 GEGNSQNSRNKRAVQGPBEETVTDCLQLIADSETPTIQGSYTFVPMILSFRGSALEE 180

QY 181 KENKILVKETGYFTYGOVLYTDKTYAMGHLQKKYHVHGDLSVTLFRCIQNMPELT 240
DB 181 KENKILVKETGYFTYGOVLYTDKTYAMGHLQKKYHVHGDLSVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFFGALKXL 285
DB 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDVTFFGALKXL 285

RESULT 212
US-10-145-870-24
Sequence 24, Application US/10145870
Publication No. US20030134370A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C274
CURRENT APPLICATION NUMBER: US/10/145,870
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-870-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBPAPVATGKIFEEPPAP 120
DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBPAPVATGKIFEEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
QY 181 KENKILVKEGTGFYFIVQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYFIVQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 213
US-10-145-876-24

Sequence 24, Application US/10145876
Publication No. US20030134371A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C304
CURRENT APPLICATION NUMBER: US/10/145,876
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-876-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBPAPVATGKIFEEPPAP 120
DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBPAPVATGKIFEEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180

QY 181 KENKILVKEGTGFYFIVQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYFIVQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 214
US-10-145-959-24

Sequence 24, Application US/10145959
Publication No. US20030134372A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C281
CURRENT APPLICATION NUMBER: US/10/145,959
CURRENT FILING DATE: 2002-05-14
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-145-959-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREOSRLTSCCLKREEMKLEKCVSILPRKSPSVRSKDGKLLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBPAPVATGKIFEEPPAP 120
DB 61 LTVVSFYQVAALQDGLASIRAELOGHHAERKLPAGAGAPKAGLEBPAPVATGKIFEEPPAP 120
QY 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
DB 121 GEGNSSQNSRKRRAVQGPETVTQDCLQIADSEPTIIOGKSYTFVFWMLSPKSGSALAE 180
QY 181 KENKILVKEGTGFYFIVQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGTGFYFIVQVLYTDKTYAMGHLIQRKKVHVFGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQIAIPRENAQISLDGVTFFGALKL 285

RESULT 215
US-10-146-724-24

Sequence 24, Application US/10146724
Publication No. US20030134373A1

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/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C317
/ CURRENT APPLICATION NUMBER: US/10/146,724
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-146-724-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60

QY 61 LTVVSFYQVALQGDLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVALQGDLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTGLKIFEPAP 120

QY 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSEPTIOGSGTYFVPMILSPKGSALAE 180
DB 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSEPTIOGSGTYFVPMILSPKGSALAE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPEL 240

QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 216
US-10-146-725-24
/ Sequence 24, Application US/10146725
/ Publication No. US20030134374A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
```

```
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C315
/ CURRENT APPLICATION NUMBER: US/10/146,725
/ CURRENT FILING DATE: 2002-05-15
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-146-725-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKSPSVRSKDGKLLAATLLALSSCC 60

QY 61 LTVVSFYQVALQGDLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTGLKIFEPAP 120
DB 61 LTVVSFYQVALQGDLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTGLKIFEPAP 120

QY 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSEPTIOGSGTYFVPMILSPKGSALAE 180
DB 121 GEGNSSONSRRKRAVQGPETVTQDCLQIADSEPTIOGSGTYFVPMILSPKGSALAE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHILQKKVHVFGDELSTVTLFRCIQNMPEL 240

QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGVTFFGALKL 285

RESULT 217
US-10-146-795-24
/ Sequence 24, Application US/10146795
/ Publication No. US20030134375A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P330R1C309
/ CURRENT APPLICATION NUMBER: US/10/146,795
/ CURRENT FILING DATE: 2002-05-15
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 24
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Page 109

LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-146-795-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKKEEMKKECVSLPRKESPSVSSKDGKLAATLALLLSCC 60
DB 1 MDDSTEREQRSLTSCIKKEEMKKECVSLPRKESPSVSSKDGKLAATLALLLSCC 60
QY 61 LTVVSFYQVVALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVQDCIQLADSEPTTIQKGSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVQDCIQLADSEPTTIQKGSYTFVFWMLSPKRSALAE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIACLKEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIACLKEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 218

US-10-147-495-24
Sequence 24, Application US/10147495
Publication No. US20030134376A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C371
CURRENT APPLICATION NUMBER: US/10/147,495
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-147-495-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKKEEMKKECVSLPRKESPSVSSKDGKLAATLALLLSCC 60
DB 1 MDDSTEREQRSLTSCIKKEEMKKECVSLPRKESPSVSSKDGKLAATLALLLSCC 60

QY 61 LTVVSFYQVVALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVQDCIQLADSEPTTIQKGSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVQDCIQLADSEPTTIQKGSYTFVFWMLSPKRSALAE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIACLKEGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIACLKEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 219

US-10-147-501-24
Sequence 24, Application US/10147501
Publication No. US20030134377A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C373
CURRENT APPLICATION NUMBER: US/10/147,501
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRF
ORGANISM: Homo Sapien
US-10-147-501-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCIKKEEMKKECVSLPRKESPSVSSKDGKLAATLALLLSCC 60
DB 1 MDDSTEREQRSLTSCIKKEEMKKECVSLPRKESPSVSSKDGKLAATLALLLSCC 60
QY 61 LTVVSFYQVVALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQGDILASLRAELQGHHAELPKAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPPEETVQDCIQLADSEPTTIQKGSYTFVFWMLSPKRSALAE 180
DB 121 GEGNSQNSRNKRAVQGPPEETVQDCIQLADSEPTTIQKGSYTFVFWMLSPKRSALAE 180
QY 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
DB 181 KENKILVKEGYFFIYQGVLYTDKTYAMGHLIQRKKVHVGDELSTVTLFRCIQNMPELT 240
QY 241 PNNSCYSAGIACLKEGDELQLAIPRENAQISLDGVTFFGALKL 285

Db 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 220
US-10-147-504-24
Sequence 24, Application US/10147504
Publication No. US20030134378A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C372
CURRENT APPLICATION NUMBER: US/10/147,504
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-504-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLLAATLLALLSCC 60
Db 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120

QY 121 GEGNSQNSRKRKRAVQGPETVTQDCLQADSETPTIQGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRKRKRAVQGPETVTQDCLQADSETPTIQGSYTFVPMILSPKGSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELISVTLFRCIQNMPEYL 240
Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELISVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 221
US-10-147-506-24
Sequence 24, Application US/10147506
Publication No. US20030134379A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C344
CURRENT APPLICATION NUMBER: US/10/147,506
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-506-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLLAATLLALLSCC 60
Db 1 MDSTEREQSLTSCCLKREEMKKECVSILPRKSPSVSSXDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120
Db 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120

QY 121 GEGNSQNSRKRKRAVQGPETVTQDCLQADSETPTIQGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRKRKRAVQGPETVTQDCLQADSETPTIQGSYTFVPMILSPKGSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELISVTLFRCIQNMPEYL 240
Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIQKKVAVFGDELISVTLFRCIQNMPEYL 240

QY 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285
Db 241 PNNSCYSAGIAKLEEGDELQALIPRENAQISLDGDTFFGALKL 285

RESULT 222
US-10-147-509-24
Sequence 24, Application US/10147509
Publication No. US20030134380A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330RCJ331
CURRENT FILING DATE: 2002-05-16
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
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PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/062287
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PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
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PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
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PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
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PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
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PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
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PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106

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; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088730
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088741
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982

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Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREGRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDDSTEREGRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSPYQVAAALQGDILASLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSPYQVAAALQGDILASLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQPEETVTDCLQLIADSEPTTIOGASTTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSNRKRAVQPEETVTDCLQLIADSEPTTIOGASTTFVFWMLSPKGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELISVTLPRCIQNNPETL 240
DB 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELISVTLPRCIQNNPETL 240
QY 241 PNNSCYAGIAKLEEGDELOLAIPRENAQISLDGDTVFPGALKLL 285
DB 241 PNNSCYAGIAKLEEGDELOLAIPRENAQISLDGDTVFPGALKLL 285

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RESULT 223

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US-10-147-510-24
; Sequence 24, Application US/10147510
; Publication No. US20030134381A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey

```

```

; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C370
; CURRENT APPLICATION NUMBER: US/10/147,510
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-510-24

```

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDDSTEREGRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDDSTEREGRLTSCCKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSPYQVAAALQGDILASLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
DB 61 LTVVSPYQVAAALQGDILASLRAELQGHNAEKLPAAGAPKAGLEAPAVTAGLKIPEPPAP 120
QY 121 GEGNSSQNSNRKRAVQPEETVTDCLQLIADSEPTTIOGASTTFVFWMLSPKGSALAE 180
DB 121 GEGNSSQNSNRKRAVQPEETVTDCLQLIADSEPTTIOGASTTFVFWMLSPKGSALAE 180
QY 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELISVTLPRCIQNNPETL 240
DB 181 KENKILVKEGTGFFIYGQVLYTDKTYAMGHLIQRKXVHVGDELISVTLPRCIQNNPETL 240
QY 241 PNNSCYAGIAKLEEGDELOLAIPRENAQISLDGDTVFPGALKLL 285
DB 241 PNNSCYAGIAKLEEGDELOLAIPRENAQISLDGDTVFPGALKLL 285

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RESULT 224

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US-10-147-511-24
; Sequence 24, Application US/10147511
; Publication No. US20030134382A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C356
; CURRENT APPLICATION NUMBER: US/10/147,511

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Page 113

;; CURRENT FILING DATE: 2002-05-17
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-147-511-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVSFFQVAAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 225

US-10-147-529-24
;; Sequence 24, Application US/10147529
;; Publication No. US20030134383A1
;; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C33
;; CURRENT FILING DATE: 2002-05-16
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-147-529-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVSFFQVAAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSVTLFRCIQNMPELT 240
QY 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNCSYAGIAKLEEGDELOLAIPRENAQISLDGVTFFGALKL 285

RESULT 226

US-10-152-397-24
;; Sequence 24, Application US/10152397
;; Publication No. US20030134384A1
;; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C380
;; CURRENT FILING DATE: 2002-05-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 24
;; LENGTH: 285
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-152-397-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKLEKCVSILPRKESPSVRSSKDGKLLAATLLALLSCC 60
QY 61 LTVSFFQVAAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVSFFQVAAALOGDLASLRABEQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALAE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVODCLQIADSEPTTIQKGSYTFVFWLLSFKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSVTLFRCIQNMPELT 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGEDELSVTLFRCIQNMPELT 240

Db 181 KENKILVKEGTFPIYGVLYTDKTYAMGHILQKKVHFVGDLSLVTLFRCIQMPETL 240
 QY 241 PNNSCYSAGIAKLEBDEQLQAIIPRENAQISLDGVTFFGALKL 285
 Db 241 PNNSCYSAGIAKLEBDEQLQAIIPRENAQISLDGVTFFGALKL 285

RESULT 227

US-10-153-586-24
 ; Sequence 24, Application US/10153586
 ; Publication No. US20030134365A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Mei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C413
 ; CURRENT APPLICATION NUMBER: US/10/153,586
 ; PRIOR FILING DATE: 2002-05-22
 ; PRIOR APPLICATION removed - See file wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-10-153-586-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRLTSCIKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
 Db 1 MDSTEREQRLTSCIKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
 QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFPPAP 120
 Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFPPAP 120
 QY 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALAE 180
 Db 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALAE 180
 QY 181 KENKILVKEGTFPIYGVLYTDKTYAMGHILQKKVHFVGDLSLVTLFRCIQMPETL 240
 Db 181 KENKILVKEGTFPIYGVLYTDKTYAMGHILQKKVHFVGDLSLVTLFRCIQMPETL 240
 QY 241 PNNSCYSAGIAKLEBDEQLQAIIPRENAQISLDGVTFFGALKL 285
 Db 241 PNNSCYSAGIAKLEBDEQLQAIIPRENAQISLDGVTFFGALKL 285

RESULT 228
 US-10-158-786-24
 ; Sequence 24, Application US/10158786
 ; Publication No. US20030134791A1
 ; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: Deforge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Mei-Qiang
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3330R1C458
 ; CURRENT APPLICATION NUMBER: US/10/158,786
 ; CURRENT FILING DATE: 2002-05-30
 ; PRIOR APPLICATION removed - See file wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 24
 ; LENGTH: 285
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-10-158-786-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
 Best Local Similarity 100.0%; Pred. No. 3,2e-139;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRLTSCIKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
 Db 1 MDSTEREQRLTSCIKREEMKKECVSILPRKESPSVRSSKDGKLAATLLALLSCC 60
 QY 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFPPAP 120
 Db 61 LTVVSFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFPPAP 120
 QY 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALAE 180
 Db 121 GEGNSSQNSRNKRAVQGPBEETVTQDCLQIADSEPTIQGSTTFVPMILSFRGSALAE 180
 QY 181 KENKILVKEGTFPIYGVLYTDKTYAMGHILQKKVHFVGDLSLVTLFRCIQMPETL 240
 Db 181 KENKILVKEGTFPIYGVLYTDKTYAMGHILQKKVHFVGDLSLVTLFRCIQMPETL 240
 QY 241 PNNSCYSAGIAKLEBDEQLQAIIPRENAQISLDGVTFFGALKL 285
 Db 241 PNNSCYSAGIAKLEBDEQLQAIIPRENAQISLDGVTFFGALKL 285

RESULT 229
 US-10-137-870-24
 ; Sequence 24, Application US/10137870
 ; Publication No. US20030138883A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Mei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.

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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C15
; CURRENT APPLICATION NUMBER: US/10/137,870
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-137-870-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDLSLRBELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRBELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIOKSYTFVPMILSPKRSALAE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIOKSYTFVPMILSPKRSALAE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPE 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPE 240

QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 230
US-10-140-018-24
; Sequence 24, Application US/10140018
; Publication No. US20030138865A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C15
; CURRENT APPLICATION NUMBER: US/10/140,018
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-018-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDLSLRBELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRBELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120

QY 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIOKSYTFVPMILSPKRSALAE 180
DB 121 GEGNSQNSNRKRAVQGPETVTQDCLQIADSEPTIOKSYTFVPMILSPKRSALAE 180

QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPE 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVGDELSVTLFRCIQNMPE 240

QY 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 231
US-10-140-021-24
; Sequence 24, Application US/10140021
; Publication No. US20030138866A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C167
; CURRENT APPLICATION NUMBER: US/10/140,021
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-021-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60
DB 1 MDDSTEREQSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLAATLLALISCC 60

QY 61 LTVVSFYQVAALQGDLSLRBELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDLSLRBELQGHHAETLPAGAGAPKAGLEAPAVTAGLKIFEPAP 120
```

Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAETKLPAGAGAPKAGLEBAVAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKRAVQGPSETVTQDCLQIADSEPTIIOKGSYTFVPMILSFKRSALAE 180

Db 121 GEGNSQNSRNKRAVQGPSETVTQDCLQIADSEPTIIOKGSYTFVPMILSFKRSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIORKKVVHVFGBELSLVTLFRCIQNMPELT 240

Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIORKKVVHVFGBELSLVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

RESULT 232

US-10-140-471-24

/ Sequence 24, Application US/10140471

/ Publication No. US20030138887A1

/ GENERAL INFORMATION:

/ APPLICANT: Baker, Kevin P.

/ APPLICANT: Beresini, Maureen

/ APPLICANT: Deforge, Laura

/ APPLICANT: Desnoyers, Luc

/ APPLICANT: Filvaroff, Ellen

/ APPLICANT: Gao, Wei-Qiang

/ APPLICANT: Geriltsen, Mary E.

/ APPLICANT: Goddard, Audrey

/ APPLICANT: Godowski, Paul J.

/ APPLICANT: Gurney, Austin L.

/ APPLICANT: Sherwood, Steven

/ APPLICANT: Smith, Victoria

/ APPLICANT: Stewart, Timothy A.

/ APPLICANT: Tumas, Daniel

/ APPLICANT: Tumanabe, Colin K

/ APPLICANT: Wood, William

/ APPLICANT: Zhang, Zemin

/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

/ FILE OF INVENTION: ACIDS ENCODING THE SAME

/ FILE REFERENCE: P3330R1C163

/ CURRENT APPLICATION NUMBER: US/10/140,471

/ CURRENT FILING DATE: 2002-05-06

/ Prior Application removed - See File Wrapper or Palm

/ NUMBER OF SEQ ID NOS: 550

/ SEQ ID NO 24

/ LENGTH: 285

/ TYPE: PRT

/ ORGANISM: Homo Sapien

US-10-140-471-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

Db 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAETKLPAGAGAPKAGLEBAVAVTAGKIFEPAP 120

Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAETKLPAGAGAPKAGLEBAVAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKRAVQGPSETVTQDCLQIADSEPTIIOKGSYTFVPMILSFKRSALAE 180

Db 121 GEGNSQNSRNKRAVQGPSETVTQDCLQIADSEPTIIOKGSYTFVPMILSFKRSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIORKKVVHVFGBELSLVTLFRCIQNMPELT 240

Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIORKKVVHVFGBELSLVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

RESULT 233

US-10-140-922-24

/ Sequence 24, Application US/10140922

/ Publication No. US20030138889A1

/ GENERAL INFORMATION:

/ APPLICANT: Baker, Kevin P.

/ APPLICANT: Beresini, Maureen

/ APPLICANT: Deforge, Laura

/ APPLICANT: Desnoyers, Luc

/ APPLICANT: Filvaroff, Ellen

/ APPLICANT: Gao, Wei-Qiang

/ APPLICANT: Geriltsen, Mary E.

/ APPLICANT: Goddard, Audrey

/ APPLICANT: Godowski, Paul J.

/ APPLICANT: Gurney, Austin L.

/ APPLICANT: Sherwood, Steven

/ APPLICANT: Smith, Victoria

/ APPLICANT: Stewart, Timothy A.

/ APPLICANT: Tumas, Daniel

/ APPLICANT: Tumanabe, Colin K

/ APPLICANT: Wood, William

/ APPLICANT: Zhang, Zemin

/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

/ FILE OF INVENTION: ACIDS ENCODING THE SAME

/ FILE REFERENCE: P3330R1C179

/ CURRENT APPLICATION NUMBER: US/10/140,922

/ CURRENT FILING DATE: 2002-05-07

/ Prior Application removed - See Palm or File Wrapper

/ NUMBER OF SEQ ID NOS: 550

/ SEQ ID NO 24

/ LENGTH: 285

/ TYPE: PRT

/ ORGANISM: Homo Sapien

US-10-140-922-24

Query Match 100.0%; Score 1451; DB 14; Length 285;

Best Local Similarity 100.0%; Pred. No. 3, 2e-139; Indels 0; Gaps 0;

Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

Db 1 MDDSTEREQRLTSCUKREEMKKECVSILPRKESPSVRSKDGKLLAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGDLSLRAELQGHHAETKLPAGAGAPKAGLEBAVAVTAGKIFEPAP 120

Db 61 LTVVSFYQVAALQGDLSLRAELQGHHAETKLPAGAGAPKAGLEBAVAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNKRAVQGPSETVTQDCLQIADSEPTIIOKGSYTFVPMILSFKRSALAE 180

Db 121 GEGNSQNSRNKRAVQGPSETVTQDCLQIADSEPTIIOKGSYTFVPMILSFKRSALAE 180

QY 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIORKKVVHVFGBELSLVTLFRCIQNMPELT 240

Db 181 KENKILVKEGTGYFFIYGQVLYTDKTYAMGHLIORKKVVHVFGBELSLVTLFRCIQNMPELT 240

QY 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

Db 241 PNNSCYSAGIAKLEEGDELOLAIPRENAQISLDGDTFFGALKTL 285

RESULT 234

US-10-145-631-24

/ Sequence 24, Application US/10145631

/ Publication No. US20030138891A1

/ GENERAL INFORMATION:

/ APPLICANT: Baker, Kevin P.

/ APPLICANT: Beresini, Maureen

/ APPLICANT: Deforge, Laura

/ APPLICANT: Desnoyers, Luc

/ APPLICANT: Filvaroff, Ellen

```

; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C273
; CURRENT APPLICATION NUMBER: US/10/145,631
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-145-631-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXKDKLAAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGLASIRAFLOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120
DB 61 LTVVSFYQVAALQGLASIRAFLOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120

QY 121 GEGNSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGSYTFVPMILSFKRGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRQIONMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRQIONMPETL 240

QY 241 PNNSCYSAGIAXLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAXLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 235
US-10-145-633-24
; Sequence 24, Application US/10145633
; Publication No. US20030138892A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C291
; CURRENT APPLICATION NUMBER: US/10/145,633
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-145-633-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXKDKLAAATLLALLSCC 60
DB 1 MDDSTEREQSLTSCUKREEMKLEKCVSILPRKESPSVRSXKDKLAAATLLALLSCC 60

QY 61 LTVVSFYQVAALQGLASIRAFLOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120
DB 61 LTVVSFYQVAALQGLASIRAFLOGHAEKLPAGAGAPKAGLEAPAVTAGLIFEPPAP 120

QY 121 GEGNSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSQNSNRKRAVQPEETVTDCLQIADSEPTIQSGSYTFVPMILSFKRGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRQIONMPETL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRQIONMPETL 240

QY 241 PNNSCYSAGIAXLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAXLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 236
US-10-158-783-24
; Sequence 24, Application US/10158783
; Publication No. US20030138893A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C447
; CURRENT APPLICATION NUMBER: US/10/158,783
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-158-783-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
```

Best Local Similarity 100.0%; Pred. No. 3,2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGRLTSCIKKEEMKKECVSILPRKSPSVRSKDGKLAATLLALLSCC 60
Db 1 MDSTEREGRLTSCIKKEEMKKECVSILPRKSPSVRSKDGKLAATLLALLSCC 60

QY 61 LTVVSFYQVAALOGDLASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGKIFEPAP 120
Db 61 LTVVSFYQVAALOGDLASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGKIFEPAP 120

QY 121 GEGNSSQNSNRKRAVOGPEETVTDCLQIADSEPTTIQSGSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSNRKRAVOGPEETVTDCLQIADSEPTTIQSGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGBELSLVTLFRCIQNMPELT 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGBELSLVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 237
US-10-140-274-24
; Sequence 24, Application US/10140274
; Publication No. US20030143674A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RJC161
; CURRENT APPLICATION NUMBER: US/10/140,274
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-274-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 121 GEGNSSQNSNRKRAVOGPEETVTDCLQIADSEPTTIQSGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGBELSLVTLFRCIQNMPELT 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGBELSLVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 238
US-10-140-019-24
; Sequence 24, Application US/10140019
; Publication No. US20030148423A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RJC170
; CURRENT APPLICATION NUMBER: US/10/140,019
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - see file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-019-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3,2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGRLTSCIKKEEMKKECVSILPRKSPSVRSKDGKLAATLLALLSCC 60
Db 1 MDSTEREGRLTSCIKKEEMKKECVSILPRKSPSVRSKDGKLAATLLALLSCC 60

QY 61 LTVVSFYQVAALOGDLASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGKIFEPAP 120
Db 61 LTVVSFYQVAALOGDLASIRAELOGHHAETLPAGAGAPKAGLEBAVATAGKIFEPAP 120

QY 121 GEGNSSQNSNRKRAVOGPEETVTDCLQIADSEPTTIQSGSYTFVPMILSFKGSALAE 180
Db 121 GEGNSSQNSNRKRAVOGPEETVTDCLQIADSEPTTIQSGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGBELSLVTLFRCIQNMPELT 240
Db 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIORKKVHVFGBELSLVTLFRCIQNMPELT 240

QY 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
Db 241 PNNCSYAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 239
US-10-140-022-24

```

; Sequence 24, Application US/10140022
; Publication No. US20030148424A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C159
; CURRENT APPLICATION NUMBER: US/10/140.022
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-140-022-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKLAATLILLALLSCC 60
DB 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKLAATLILLALLSCC 60

QY 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120

QY 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120

QY 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPEL 240

QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 240
US-10-140-861-24
; Sequence 24, Application US/10140861
; Publication No. US20030148425A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

```

; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C178
; CURRENT APPLICATION NUMBER: US/10/140.861
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-140-861-24

Query Match      100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKLAATLILLALLSCC 60
DB 1 MDDSTEREQSRLTSCUKKEEMKLEKCVSILPRKESPSVRSSKDGKLAATLILLALLSCC 60

QY 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120

QY 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASIRAELOGHAEKLPAGAGAPKAGLEAPAVYAGLKIFEPAP 120

QY 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180
DB 121 GEGNSSONRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSFKGSALAE 180

QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKRVHVFGEDELSTVTLFRCIQNMPEL 240

QY 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBDELOLAIPRENAQISLDGDTFFGALKL 285

RESULT 241
US-10-140-862-24
; Sequence 24, Application US/10140862
; Publication No. US20030148426A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C183
; CURRENT APPLICATION NUMBER: US/10/140.862
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm

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NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-862-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALOGDLASLRABELOGHHAERKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASLRABELOGHHAERKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRNRKAVOGPEETVTDCLQIADSEPTTIQGSYTFVPMILSFRRGSALBE 180
DB 121 GEGNSQNSRNRKAVOGPEETVTDCLQIADSEPTTIQGSYTFVPMILSFRRGSALBE 180
QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 242

US-10-141-697-24
Sequence 24, Application US/10141697
Publication No. US20030148427A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C202
CURRENT APPLICATION NUMBER: US/10/141,697
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-697-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60

DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60

QY 61 LTVVSFYQVAALOGDLASLRABELOGHHAERKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASLRABELOGHHAERKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNRKAVOGPEETVTDCLQIADSEPTTIQGSYTFVPMILSFRRGSALBE 180
DB 121 GEGNSQNSRNRKAVOGPEETVTDCLQIADSEPTTIQGSYTFVPMILSFRRGSALBE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240

QY 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQAIAPRENAQISLDGVTFFGALKL 285

RESULT 243

US-10-141-700-24
Sequence 24, Application US/10141700
Publication No. US20030148428A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C205
CURRENT APPLICATION NUMBER: US/10/141,700
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-700-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60
DB 1 MDSTEREQRSLTSCIKREEMKKECVSILPRKESPSVRSKDGKLAATLLALLSCC 60

QY 61 LTVVSFYQVAALOGDLASLRABELOGHHAERKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120
DB 61 LTVVSFYQVAALOGDLASLRABELOGHHAERKLPAGAGAPKAGLEAPAVTAGKIFEPAP 120

QY 121 GEGNSQNSRNRKAVOGPEETVTDCLQIADSEPTTIQGSYTFVPMILSFRRGSALBE 180
DB 121 GEGNSQNSRNRKAVOGPEETVTDCLQIADSEPTTIQGSYTFVPMILSFRRGSALBE 180

QY 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYGQVLYTDKTYAMGHLIQKKVHVFGBELSLVTLFRCIQNNPETL 240

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QY 241 PNNCSYAGIAKLEBEGDELQLAIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYAGIAKLEBEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 244
US-10-141-705-24
; Sequence 24, Application US/10141705
; Publication No. US20030148429A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C201
; CURRENT APPLICATION NUMBER: US/10/141,705
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-705-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRLTSCLEKREEMKLEKCVSILPKESPVSRSKDGKLAATLLALLSCC 60
Db 1 MDSTEREGSRLTSCLEKREEMKLEKCVSILPKESPVSRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGLTFEPPAP 120
Db 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240
QY 241 PNNCSYAGIAKLEBEGDELQLAIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYAGIAKLEBEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 245
US-10-141-753-24
; Sequence 24, Application US/10141753
; Publication No. US20030148430A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen

```

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; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C193
; CURRENT APPLICATION NUMBER: US/10/141,753
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-753-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREGSRLTSCLEKREEMKLEKCVSILPKESPVSRSKDGKLAATLLALLSCC 60
Db 1 MDSTEREGSRLTSCLEKREEMKLEKCVSILPKESPVSRSKDGKLAATLLALLSCC 60
QY 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGLTFEPPAP 120
Db 61 LTVVSFYQVAALQGLDASLRAELQGHAEKLPAGAGAPVAGLEAPAVTAGLTFEPPAP 120
QY 121 GEGNSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180
Db 121 GEGNSQNSRNKRAVQGPETVTQDCLQIADSEPTIOKGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240
Db 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLQKRVHVFGEDELSTVTLFRCIQNPETL 240
QY 241 PNNCSYAGIAKLEBEGDELQLAIPRENAQISLDGDTFFGALKLL 285
Db 241 PNNCSYAGIAKLEBEGDELQLAIPRENAQISLDGDTFFGALKLL 285

RESULT 246
US-10-141-758-24
; Sequence 24, Application US/10141758
; Publication No. US20030148431A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K

```

APPLICANT: Wood,William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C194
CURRENT APPLICATION NUMBER: US/10/141,758
CURRENT FILING DATE: 2002-05-08
Prior Application removed - see Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24

LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-758-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDSTEREQRSLTSCCKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRABLOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRABLOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVTDCLQIADSETPTIQSGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVTDCLQIADSETPTIQSGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGTFEYFYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGTFEYFYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGEDELQALPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALPRENAQISLDGVTFFGALKL 285

RESULT 247

US-10-142-418-24
Sequence 24, Application US/10142418
Publication No. US2003014843A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C247
CURRENT APPLICATION NUMBER: US/10/142,418
CURRENT FILING DATE: 2002-05-10
Prior Application removed - see File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24

LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien

US-10-142-418-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQRSLTSCCKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRABLOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRABLOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
QY 121 GEGNSSQNSRNKRAVOGPEETVTDCLQIADSETPTIQSGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSSQNSRNKRAVOGPEETVTDCLQIADSETPTIQSGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGTFEYFYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLFRCIQNMPEPTL 240
DB 181 KENKILVETGTFEYFYQVLYTDKTYAMGHLIQKKVHVGDELSLVTLFRCIQNMPEPTL 240
QY 241 PNNSCYSAGIAKLEBGEDELQALPRENAQISLDGVTFFGALKL 285
DB 241 PNNSCYSAGIAKLEBGEDELQALPRENAQISLDGVTFFGALKL 285

RESULT 248

US-10-142-420-24
Sequence 24, Application US/10142420
Publication No. US2003014843A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C235
CURRENT APPLICATION NUMBER: US/10/142,420
CURRENT FILING DATE: 2002-05-09
Prior Application removed - see File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 24
LENGTH: 285
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-420-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSTEREQRSLTSCCKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQRSLTSCCKREEMKLEKCVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRABLOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
DB 61 LTVVSFYQVAALQGDILASLRABLOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120

Wed Aug 25 15:26:11 2004

us-09-911-777b-1.rabp

Page 123

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QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILQKRYHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILQKRYHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGDTFFGALKLL 285

RESULT 249
US-10-142-422-24
; Sequence 24, Application US/10142422
; Publication No. US20030148435A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330301C226
; CURRENT APPLICATION NUMBER: US/10/142,422
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-422-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
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QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILQKRYHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILQKRYHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGDTFFGALKLL 285
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RESULT 250
US-10-142-427-24
; Sequence 24, Application US/10142427
; Publication No. US20030148436A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330301C231
; CURRENT APPLICATION NUMBER: US/10/142,427
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 24
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-427-24

Query Match 100.0%; Score 1451; DB 14; Length 285;
Best Local Similarity 100.0%; Pred. No. 3.2e-139; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

QY 1 MDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
DB 1 MDSTEREQSLTSCIKKREEMKKECVSILPRKESPSVRSXDGKLLAATLLALISCC 60
QY 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
DB 61 LTVVSFYQVAALQGDILASLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGLKIFEPAP 120
QY 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
DB 121 GEGNSSQNSRNKRAVQGPBEETVTDCLQIADSETPTIQKSYTFVPMILSFKRGSALAE 180
QY 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILQKRYHVFGEDELSTVTLFRCIQNMPEETL 240
DB 181 KENKILVETGYFFIYGQVLYTDTKYAMGHILQKRYHVFGEDELSTVTLFRCIQNMPEETL 240
QY 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGDTFFGALKLL 285
DB 241 PNNSCYSAGIAKLEBGEDELQIAIPRENAQISLDGDTFFGALKLL 285

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Job time : 88 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 25, 2004, 14:33:53 ; Search time 23.9899 seconds
(without alignment)
613.317 Million cell updates/sec

Title: US-09-911-777b-1
Perfect score: 1451
Sequence: 1 MDDSTERQSLTSCLEKRE.....ENAGISLDGVTFGALKL 285

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
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6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1451	100.0	285	3	US-09-286-529-1 Sequence 1, Appli
2	1451	100.0	285	4	US-09-589-287B-2 Sequence 2, Appli
3	1451	100.0	285	4	US-09-496-118B-1 Sequence 1, Appli
4	1451	100.0	285	4	US-09-565-423-2 Sequence 2, Appli
5	1451	100.0	285	4	US-09-879-912-23 Sequence 2, Appli
6	1451	100.0	285	4	US-09-588-947A-2 Sequence 2, Appli
7	1451	100.0	285	4	US-09-589-287B-2 Sequence 2, Appli
8	1335.5	92.0	266	4	US-09-589-287B-19 Sequence 19, Appli
9	1335.5	92.0	266	4	US-09-879-912-24 Sequence 24, Appli
10	1335.5	92.0	266	4	US-09-588-947A-19 Sequence 19, Appli
11	1335.5	92.0	266	4	US-09-589-286A-19 Sequence 19, Appli
12	1080	74.4	219	4	US-09-588-287B-28 Sequence 28, Appli
13	1080	74.4	219	4	US-09-588-947A-28 Sequence 28, Appli
14	1080	74.4	219	4	US-09-589-286A-28 Sequence 28, Appli
15	1074	74.0	219	4	US-09-589-287B-30 Sequence 30, Appli
16	1074	74.0	219	4	US-09-588-947A-30 Sequence 30, Appli
17	1074	74.0	219	4	US-09-589-286A-30 Sequence 30, Appli
18	901	62.1	174	4	US-09-496-118B-5 Sequence 5, Appli
19	793	54.7	289	4	US-09-588-287B-38 Sequence 38, Appli
20	793	54.7	289	4	US-09-588-947A-38 Sequence 38, Appli
21	793	54.7	289	4	US-09-589-286A-38 Sequence 38, Appli
22	749	51.6	145	3	US-09-286-529-21 Sequence 21, Appli
23	579	39.9	155	4	US-09-589-287B-23 Sequence 23, Appli
24	579	39.9	155	4	US-09-588-947A-23 Sequence 23, Appli
25	579	39.9	155	4	US-09-589-286A-23 Sequence 23, Appli
26	244.5	16.9	250	3	US-08-883-086-2 Sequence 3, Appli
27	244.5	16.9	250	4	US-09-565-423-3 Sequence 3, Appli

28	244.5	16.9	250	4	US-09-866-028-76 Sequence 76, Appli
29	243.5	16.8	233	4	US-10-082-260-2 Sequence 2, Appli
30	243.5	16.8	233	4	US-08-815-783-2 Sequence 2, Appli
31	243.5	16.8	233	4	US-09-879-919-2 Sequence 2, Appli
32	243.5	16.8	250	3	US-09-153-927-4 Sequence 4, Appli
33	243.5	16.8	233	4	US-09-879-919-11 Sequence 11, Appli
34	236.5	16.3	234	4	US-09-157-864-2 Sequence 2, Appli
35	236.5	16.3	247	4	US-09-157-864-2 Sequence 2, Appli
36	235.5	16.2	234	4	US-09-879-919-13 Sequence 13, Appli
37	231	15.9	46	4	US-09-496-118B-2 Sequence 2, Appli
38	229.5	15.8	205	3	US-09-286-529-5 Sequence 5, Appli
39	221.5	15.3	168	4	US-10-082-260-4 Sequence 4, Appli
40	221.5	15.3	168	4	US-08-815-783-4 Sequence 4, Appli
41	221.5	15.3	168	4	US-09-879-919-4 Sequence 4, Appli
42	213.5	14.7	147	3	US-08-883-086-3 Sequence 3, Appli
43	210	14.5	136	4	US-09-589-287B-20 Sequence 20, Appli
44	210	14.5	136	4	US-09-588-947A-20 Sequence 20, Appli
45	210	14.5	136	4	US-09-589-286A-20 Sequence 20, Appli

ALIGNMENTS

RESULT 1
US-09-286-529-1
; Sequence 1, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439CI
; CURRENT APPLICATION NUMBER: US/09/286.529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FaSTSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
; US-09-286-529-1

Query Match 100.0%; Score 1451; DB 3; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.2e-159; Indels 0; Gaps 0;
Matches 285; Conservative 0; Mismatches 0;

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DB	1	MDDSTERQSLTSCLEKREMKLKECVSLIPKESPSVSSKDGKLLAATLLALSSCC	60
CY	61	LTIVSFYQVAAALQDILASLAEIQGHAAKLPAGAGAPKGLBEAPAVTGLKIFEPAP	120
DB	61	LTIVSFYQVAAALQDILASLAEIQGHAAKLPAGAGAPKGLBEAPAVTGLKIFEPAP	120
CY	121	GGGSSONSINKAVQSEFETVTDCLQLADSEPTIOGSLTPVWLLSPFRGSALFE	180
DB	121	GGGSSONSINKAVQSEFETVTDCLQLADSEPTIOGSLTPVWLLSPFRGSALFE	180
CY	181	KENKILVKEFGYFFIYQVLYTDKTYAMGHLIQRKKYHVFGEDELSTVTLFRCIQNNP	240
DB	181	KENKILVKEFGYFFIYQVLYTDKTYAMGHLIQRKKYHVFGEDELSTVTLFRCIQNNP	240
CY	241	PNNSCYAGIAXKLEEGDELQALPRENAQISLDGVTFFGALKL	285
DB	241	PNNSCYAGIAXKLEEGDELQALPRENAQISLDGVTFFGALKL	285
RESULT 2			
US-09-589-287B-2			
; Sequence 2, Application US/09589287B			
; Patent No. 6403770			
; GENERAL INFORMATION:			
; APPLICANT: Yu et al.			
; TITLE OF INVENTION: Antibodies to Neutrokin-alpha			

FILE REFERENCE: PF343P3C1
CURRENT APPLICATION NUMBER: US/09/589,287B
CURRENT FILING DATE: 2000-06-08
Prior application data removed - check PALM or file wrapper
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-09-589-287B-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LTVASFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEPAP 120
DB 61 LTVASFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDTVFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDTVFPGALKL 285

RESULT 3
US-09-496-118B-1
Sequence 1, Application US/09496118B
Patent No. 6475986
GENERAL INFORMATION:
APPLICANT: Aggarwal, Bharat B.
TITLE OF INVENTION: Uses of THANK, a TNF homologue that Activates
FILE REFERENCE: D6206
CURRENT APPLICATION NUMBER: US/09/496,118B
CURRENT FILING DATE: 2000-02-01
PRIOR APPLICATION NUMBER: US 60/118,531
PRIOR FILING DATE: 1999-02-02
NUMBER OF SEQ ID NOS: 13
SEQ ID NO 1
LENGTH: 285
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: amino acid sequence of THANK protein
US-09-496-118B-1

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALSSCC 60
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DB 61 LTVASFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180

DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDTVFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDTVFPGALKL 285

RESULT 4
US-09-565-423-2
Sequence 2, Application US/09565423
Patent No. 6475987
GENERAL INFORMATION:
APPLICANT: Shu, Hong-Bing
TITLE OF INVENTION: TAL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
FILE REFERENCE: 2879-72
CURRENT APPLICATION NUMBER: US/09/565,423
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: UNKNOWN
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/132,892
PRIOR FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-565-423-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1,2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALSSCC 60
DB 1 MDDSTEREQSLTSCLEKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALSSCC 60
QY 61 LTVASFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEPAP 120
DB 61 LTVASFYQVAALQGDLSLRAELQGHAEKLPAGAGAPKAGLEBAPAVTAGKIFEPAP 120
QY 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
DB 121 GEGNSQNSRKRKAVQGPBEETVTDCLQIADSETPTIQGSYTFVPMILSPKGSALBE 180
QY 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQNMPEL 240
DB 181 KENKILVETGYFFIYQVLYTDKTYAMGHLIQKKVHVFGEDELIVTLFRCIQNMPEL 240
QY 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDTVFPGALKL 285
DB 241 PNNCSYAGIAKLEEGDELQAIAPRENAQISLDGDTVFPGALKL 285

RESULT 5
US-09-879-919-23
Sequence 23, Application US/09879919
Patent No. 6541224
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang, et al.
TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
FILE REFERENCE: PF253P1
CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: 60/277,978
 PRIOR FILING DATE: 2001-03-23
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/254,875
 PRIOR FILING DATE: 2000-12-13
 PRIOR APPLICATION NUMBER: 60/241,952
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/211,537
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 08/815,783
 PRIOR FILING DATE: 1997-03-12
 PRIOR APPLICATION NUMBER: 60/016,812
 PRIOR FILING DATE: 1996-03-14
 NUMBER OF SEQ ID NOS: 26
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 23
 LENGTH: 285
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-879-919-23

Query Match 100.0%; Score 1451; DB 4; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.2e-159;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPKKESPSVRSKDGKLAATLLALALSCC 60
 DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPKKESPSVRSKDGKLAATLLALALSCC 60
 QY 61 LTVVSFYVAAALQGLDASJAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 DB 61 LTVVSFYVAAALQGLDASJAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 QY 121 GEGNSSQNSRNKRAVGPPEVTYQDCLQIADSETPTIQKSGTYFVPMILSFRGSALEE 180
 DB 121 GEGNSSQNSRNKRAVGPPEVTYQDCLQIADSETPTIQKSGTYFVPMILSFRGSALEE 180
 QY 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
 DB 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
 QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 6
 US-09-588-947A-2
 Sequence 2, Application US/09588947A
 Patent No. 6562579
 GENERAL INFORMATION:
 APPLICANT: Yu et al.
 TITLE OF INVENTION: Diagnostic Methods using Antibodies to Neutrokin-alpha
 FILE REFERENCE: PF343P3C2
 CURRENT APPLICATION NUMBER: US/09/588,947A
 CURRENT FILING DATE: 2000-06-08
 PRIOR APPLICATION NUMBER: 09/588,947
 PRIOR FILING DATE: 2000-06-08
 PRIOR APPLICATION NUMBER: 09/507,968
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: 60/122,388
 PRIOR FILING DATE: 1999-03-02
 PRIOR APPLICATION NUMBER: 60/124,097
 PRIOR FILING DATE: 1999-03-12
 PRIOR APPLICATION NUMBER: 60/126,599
 PRIOR FILING DATE: 1999-03-26
 PRIOR APPLICATION NUMBER: 60/127,598
 PRIOR FILING DATE: 1999-04-02
 PRIOR APPLICATION NUMBER: 60/130,412
 PRIOR FILING DATE: 1999-04-16
 PRIOR APPLICATION NUMBER: 60/130,696
 PRIOR FILING DATE: 1999-04-23

PRIOR APPLICATION NUMBER: 60/131,278
 PRIOR FILING DATE: 1999-04-27
 PRIOR APPLICATION NUMBER: 60/131,673
 PRIOR FILING DATE: 1999-04-29
 PRIOR APPLICATION NUMBER: 60/136,784
 PRIOR FILING DATE: 1999-05-28
 PRIOR APPLICATION NUMBER: 60/142,659
 PRIOR FILING DATE: 1999-07-06
 PRIOR APPLICATION NUMBER: 60/145,824
 PRIOR FILING DATE: 1999-07-27
 PRIOR APPLICATION NUMBER: 60/167,239
 PRIOR FILING DATE: 1999-11-24
 PRIOR APPLICATION NUMBER: 60/168,624
 PRIOR FILING DATE: 1999-12-03
 PRIOR APPLICATION NUMBER: 60/171,108
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: 60/171,626
 PRIOR FILING DATE: 1999-12-23
 PRIOR APPLICATION NUMBER: 60/176,015
 PRIOR FILING DATE: 2000-01-14
 PRIOR APPLICATION NUMBER: 09/255,794
 PRIOR FILING DATE: 1999-02-23
 PRIOR APPLICATION NUMBER: 09/005,874
 PRIOR FILING DATE: 1998-01-12
 PRIOR APPLICATION NUMBER: 60/036,100
 PRIOR FILING DATE: 1997-01-14
 PRIOR APPLICATION NUMBER: PCT/US96/17957
 PRIOR FILING DATE: 1996-10-25
 NUMBER OF SEQ ID NOS: 42
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 285
 TYPE: PRT
 ORGANISM: human
 US-09-588-947A-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
 Best Local Similarity 100.0%; Pred. No. 1.2e-159;
 Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPKKESPSVRSKDGKLAATLLALALSCC 60
 DB 1 MDDSTEREQSRLTSCIKKREEMKKECVSILPKKESPSVRSKDGKLAATLLALALSCC 60
 QY 61 LTVVSFYVAAALQGLDASJAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 DB 61 LTVVSFYVAAALQGLDASJAELOGHHAERKLPAGAGAPKAGLEAPAVTAGIKIPEPPAP 120
 QY 121 GEGNSSQNSRNKRAVGPPEVTYQDCLQIADSETPTIQKSGTYFVPMILSFRGSALEE 180
 DB 121 GEGNSSQNSRNKRAVGPPEVTYQDCLQIADSETPTIQKSGTYFVPMILSFRGSALEE 180
 QY 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
 DB 181 KENKILVETGYFFITGVQVLYTDKTYAMGHLIQRKKVHVFGEDELSTVTLFRCIQNMPEPTL 240
 QY 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285
 DB 241 PNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGVTFFGALKL 285

RESULT 7
 US-09-589-286A-2
 Sequence 2, Application US/09589286A
 Patent No. 6635482
 GENERAL INFORMATION:
 APPLICANT: Yu et al.
 TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
 FILE REFERENCE: PF343P3C3
 CURRENT APPLICATION NUMBER: US/09/589,286A
 CURRENT FILING DATE: 2002-06-08
 PRIOR APPLICATION NUMBER: 09/589,286
 PRIOR FILING DATE: 2000-06-08

PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-09-589-286A-2

Query Match 100.0%; Score 1451; DB 4; Length 285;
Best Local Similarity 100.0%; Pred. No. 1.2e-159;
Matches 285; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSSC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSSC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELKPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELKPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGSSONSNNKRAVQGEETVITODCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGSSONSNNKRAVQGEETVITODCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKHVHGDELISVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKHVHGDELISVTLFRCIQNNPETL 240
QY 241 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
DB 241 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285

RESULT 8

US-09-589-287B-19
Sequence 19, Application US/09589287B
Patent No. 6403770
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Antibodies to Neutroline-alpha
FILE REFERENCE: P34393CI
CURRENT APPLICATION NUMBER: US/09/589,287B
CURRENT FILING DATE: 2000-06-08
Prior application data removed - check PALM or file wrapper
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-287B-19

Query Match 92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2.7e-146;

Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;
QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSSC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSSC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELKPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELKPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGSSONSNNKRAVQGEETVITODCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGSSONSNNKRAVQGEETVITODCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
QY 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKHVHGDELISVTLFRCIQNNPETL 240
DB 181 KENKILVKEGYFFIYQVLYTDKTYAMGHLQKXKHVHGDELISVTLFRCIQNNPETL 221
QY 241 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 285
DB 222 PNNSCYAGIAKLEBGEDELQALIPRENAQISLDGVTFFGALKLL 266

RESULT 9

US-09-879-919-24
Sequence 24, Application US/09879919
Patent No. 6541224
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang, et al.
TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
FILE REFERENCE: P25391
CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,978
PRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/254,875
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/241,952
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 08/815,783
PRIOR FILING DATE: 1997-03-12
PRIOR APPLICATION NUMBER: 60/016,812
PRIOR FILING DATE: 1996-03-14
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 24
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-879-919-24

Query Match 92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2.7e-146;
Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;

QY 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSSC 60
DB 1 MDDSTEREQRSLTSCCKREEMKKECVSILPRKESPSVSSXDGKLLAATLLALLSSC 60
QY 61 LTVVSFYQVVALQDGLASLRAELQGHHAELKPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
DB 61 LTVVSFYQVVALQDGLASLRAELQGHHAELKPAAGAPKAGLEBAPAVTAGLKIPEPPAP 120
QY 121 GEGSSONSNNKRAVQGEETVITODCQLADSETPTIQGSYTFVPMILSPKGSALAE 180
DB 121 GEGSSONSNNKRAVQGEETVITODCQLADSETPTIQGSYTFVPMILSPKGSALAE 161

QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPELT 240
DB 162 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPELT 221
QY 241 PNNSCYSAGIATLEGGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 222 PNNSCYSAGIATLEGGDELQLAIPRENAQISLDGVTFFGALKL 266

RESULT 10

US-09-588-947A-19
Sequence 19, Application US/09588947A
Patent No. 6562579
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neutrokinine-alpha
FILE REFERENCE: PR343P3C2
CURRENT APPLICATION NUMBER: US/09/588,947A
CURRENT FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/588,947
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/136,784
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/142,659
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/145,824
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: 60/167,239
PRIOR FILING DATE: 1999-11-24
PRIOR APPLICATION NUMBER: 60/168,624
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/171,108
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/171,626
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/176,015
PRIOR FILING DATE: 2000-01-14
PRIOR APPLICATION NUMBER: 09/255,794
PRIOR FILING DATE: 1999-02-23
PRIOR APPLICATION NUMBER: 09/005,874
PRIOR FILING DATE: 1998-01-12
PRIOR APPLICATION NUMBER: 60/036,100
PRIOR FILING DATE: 1997-01-14
PRIOR APPLICATION NUMBER: PCT/US96/17957
PRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-588-947A-19
Query Match 92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2,7e-146;

Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;

QY 1 MDSTEREQRLTSCCKREEMKKECVSTLPKRESPSVSSSDGKLTATLLALSSC 60
DB 1 MDSTEREQRLTSCCKREEMKKECVSTLPKRESPSVSSSDGKLTATLLALSSC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKI FEEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKI FEEPPAP 120
QY 121 GEGNSSQNSRNRKAVQPEETVQDCQLADEPTFIQGSTVTPVWLSFRGSLAE 180
DB 121 GEGNSSQNSRNRKAVQPEETV-----GSTTFVFWLSFRGSLAE 161
QY 181 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPELT 240
DB 162 KENKILVETGYFFIYGVLYTDKTYAMGHLIQRKRVHFGDELSTVTLFRCIQNMPELT 221
QY 241 PNNSCYSAGIATLEGGDELQLAIPRENAQISLDGVTFFGALKL 285
DB 222 PNNSCYSAGIATLEGGDELQLAIPRENAQISLDGVTFFGALKL 266

RESULT 11

US-09-589-286A-19
Sequence 19, Application US/09589286A
Patent No. 6635482
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokinine-alpha
FILE REFERENCE: PR343P3C3
CURRENT APPLICATION NUMBER: US/09/589,286A
CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589,286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-286A-19

Query Match 92.0%; Score 1335.5; DB 4; Length 266;
Best Local Similarity 93.3%; Pred. No. 2,7e-146;
Matches 266; Conservative 0; Mismatches 0; Indels 19; Gaps 1;

QY 1 MDSTEREQRLTSCCKREEMKKECVSTLPKRESPSVSSSDGKLTATLLALSSC 60
DB 1 MDSTEREQRLTSCCKREEMKKECVSTLPKRESPSVSSSDGKLTATLLALSSC 60
QY 61 LTVVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKI FEEPPAP 120
DB 61 LTVVSFYQVAAALQDGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGLKI FEEPPAP 120

```
QY 121 GEGNSNSNRKRAVOGPEETVQDCQLIADSEPTTIQKSGYTFVWLLSFRGSALAE 180
DB 121 GEGNSNSNRKRAVOGPEET-----GSTTFVWLLSFRGSALAE 161
QY 181 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNMPEYL 240
DB 162 KENKILVETGYFFIYGQVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNMPEYL 221
QY 241 PNNSCYAGIAXLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 222 PNNSCYAGIAXLEEGDELQLAIPRENAQISLDGDTFFGALKL 266

RESULT 12
US-09-589-287B-28
; Sequence 28, Application US/09589287B
; Patent No. 6403770
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Antibodies to Neutrokin-alpha
; FILE REFERENCE: PF343P3C1
; CURRENT APPLICATION NUMBER: US/09/589,287B
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION DATA REMOVED - check PAM or file wrapper
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 219
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-589-287B-28

Query Match 74.4%; Score 1080; DB 4; Length 219;
Best Local Similarity 96.3%; Pred. No. 8.5e-117;
Matches 211; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 67 YQVAALQGLDASLPAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFPPAPGEGNS 126
DB 1 YQVAAVQGDLSLPAELQGHHAETLPARAPAPKAGLEBAPAVTAGLKIFPPAPGEGNS 60
QY 127 QNSNRKRAVOGPEETVQDCQLIADSEPTTIQKSGYTFVWLLSFRGSALAEKENKIL 186
DB 61 QSSNRKRAIQAEETVQDCQLIADSEPTTIQKSGYTFVWLLSFRGSALAEKENKIL 120
QY 187 VKETGYFFIYGQVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNMPEYLPNNSCY 246
DB 121 VKETGYFFIYGQVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNMPEYLPNNSCY 180
QY 247 SAGIAXLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 181 SAGIAXLEEGDELQLAIPRENAQISLDGDTFFGALKL 219

RESULT 13
US-09-588-947A-28
; Sequence 28, Application US/09588947A
; Patent No. 6562579
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neutrokin-alpha
; FILE REFERENCE: PF343P3C2
; CURRENT APPLICATION NUMBER: US/09/588,947A
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/588,947
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/507,968
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/126,599

; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/136,784
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/142,659
; PRIOR FILING DATE: 1999-07-06
; PRIOR APPLICATION NUMBER: 60/145,824
; PRIOR FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: 60/167,239
; PRIOR FILING DATE: 1999-11-24
; PRIOR APPLICATION NUMBER: 60/168,624
; PRIOR FILING DATE: 1999-12-03
; PRIOR APPLICATION NUMBER: 60/171,108
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: 60/171,626
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/176,015
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 09/255,794
; PRIOR FILING DATE: 1999-02-23
; PRIOR APPLICATION NUMBER: 09/005,874
; PRIOR FILING DATE: 1998-01-12
; PRIOR APPLICATION NUMBER: 60/036,100
; PRIOR FILING DATE: 1997-01-14
; PRIOR APPLICATION NUMBER: PCT/US96/17957
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 219
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-588-947A-28

Query Match 74.4%; Score 1080; DB 4; Length 219;
Best Local Similarity 96.3%; Pred. No. 8.5e-117;
Matches 211; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 67 YQVAALQGLDASLPAELQGHHAETLPAGAGAPKAGLEBAPAVTAGLKIFPPAPGEGNS 126
DB 1 YQVAAVQGDLSLPAELQGHHAETLPARAPAPKAGLEBAPAVTAGLKIFPPAPGEGNS 60
QY 127 QNSNRKRAVOGPEETVQDCQLIADSEPTTIQKSGYTFVWLLSFRGSALAEKENKIL 186
DB 61 QSSNRKRAIQAEETVQDCQLIADSEPTTIQKSGYTFVWLLSFRGSALAEKENKIL 120
QY 187 VKETGYFFIYGQVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNMPEYLPNNSCY 246
DB 121 VKETGYFFIYGQVLYTDKTYAMGHLIQRKVVHVGDELSIVTLFRCIQNMPEYLPNNSCY 180
QY 247 SAGIAXLEEGDELQLAIPRENAQISLDGDTFFGALKL 285
DB 181 SAGIAXLEEGDELQLAIPRENAQISLDGDTFFGALKL 219

RESULT 14
US-09-589-286A-28
; Sequence 28, Application US/09589286A
; Patent No. 6635482
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
; FILE REFERENCE: PF343P3C3
; CURRENT APPLICATION NUMBER: US/09/589,286A
```


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GenCore version 5.1.6
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CM protein - protein search, using sw model

Run on: August 25, 2004, 14:35:59 ; Search time 26.5303 Seconds
(without alignments)
1120.348 Million cell updates/sec

Title: US-09-911-777b-2

Perfect score: 1624
Sequence: 1 MDESAKTLPPCLCFCSKXG.....ENAOISRNQDDTFPGALTKL 309

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283366 seqs, 96191526 residues

Total number of hits satisfying chosen parameters: 283366

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: p1r1:*
2: p1r2:*
3: p1r3:*
4: p1r4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	110.5	6.8	193	2 S06192 tumor necrosis fac
2	108	6.7	235	2 S54490 tumor necrosis fac
3	105.5	6.5	185	2 S52715 tumor necrosis fac
4	105.5	6.5	235	1 QMNSN tumor necrosis fac
5	104.5	6.4	234	1 JH0529 tumor necrosis fac
6	104	6.4	235	2 JH0529 tumor necrosis fac
7	101	6.2	233	1 QMNSN tumor necrosis fac
8	96	5.9	233	1 S24642 tumor necrosis fac
9	95	5.8	234	1 A25451 tumor necrosis fac
10	93.5	5.8	234	1 J01344 tumor necrosis fac
11	92.5	5.7	1051	2 T51904 hypothetical prote
12	92	5.7	716	2 T39812 hypothetical prote
13	91.5	5.6	204	1 S17289 tumor necrosis fac
14	91.5	5.6	233	1 S22052 tumor necrosis fac
15	91	5.6	230	1 B85711 probable IS encode
16	90.5	5.6	441	2 D86750 sensor protein kin
17	89.5	5.5	197	1 JH0309 tumor necrosis fac
18	89.5	5.5	233	2 S11688 tumor necrosis fac
19	89.5	5.5	279	2 A53662 tumor necrosis fac
20	88.5	5.4	261	2 T38707 Fas ligand - mouse
21	88	5.4	263	1 H64069 beta-lactamase reg
22	88	5.4	841	2 T36384 probable ATP-bind
23	87	5.4	1639	1 MMFRB2 lamantin gamma-1 ch
24	86.5	5.3	1015	2 T15830 hypothetical prote
25	86	5.3	737	2 A41958 hypothetical prote
26	85.5	5.2	542	2 T48488 hypothetical prote
27	85	5.2	613	2 S27770 hypothetical prote
28	84.5	5.2	635	1 WMBEW6 capsid protein - h
29	84	5.2	204	1 S24641 lymphotoxin - bovi

30	84	5.2	371	1 A43830 alanine dehydrogen
31	83.5	5.1	165	2 D91065 hypothetical prote
32	83.5	5.1	834	2 T42702 hypothetical prote
33	83	5.1	232	1 S12606 tumor necrosis fac
34	83	5.1	490	1 S04331 lipoprotein lipase
35	83	5.1	642	2 T05683 hypothetical prote
36	82.5	5.1	463	2 B91112 hypothetical prote
37	82.5	5.1	512	2 B90670 hypothetical prote
38	82.5	5.1	512	2 H90766 hypothetical prote
39	82.5	5.1	512	2 C90792 hypothetical prote
40	82.5	5.1	512	2 B90836 hypothetical prote
41	82.5	5.1	512	2 B90856 hypothetical prote
42	82.5	5.1	512	2 G90906 hypothetical prote
43	82.5	5.1	512	2 G90977 hypothetical prote
44	82.5	5.1	512	2 C91197 hypothetical prote
45	82.5	5.1	512	2 A85653 unknown protein en

ALIGNMENTS

RESULT 1
S06192
tumor necrosis factor alpha precursor - goat (fragment)
M:Alternate names: cachectin; TNF alpha
C:Species: Capra aegagrus hircus (domestic goat)
C:Date: 28-Feb-1990 #sequence_revision 28-Feb-1990 #text_change 31-Jan-2000
C:Accession: S06192; S41867
R:Goldstein, T.M., Henner, D., Talhouk, A.
Submitted to the EMBL Data Library, March 1989
A:Reference number: S06192
A:Accession: S06192
A:Molecule type: mRNA
A:Residues: 1-193 <GO>
A:Cross-references: EMBL:X14828; NID:G992; PIDN:CA32937.1; PID:G993
R:Rimstad, E.
Submitted to the EMBL Data Library, January 1994
A:Reference number: S41867
A:Accession: S41867
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 35-38, 'S', 40-78, 'A', 80-88, 'N', 90-114, 'Q', 116-123, 'D', 125-144, 'G', 145-173, 'L',
A:Cross-references: EMBL:X77317; NID:G452607; PIDN:CA54523.1; PID:G452608
C:Superfamily: Tumor necrosis factor
C:Keywords: cytokine; cytotoxin; glycoprotein; lymphokine; macrophage; membrane protein
F:42/Binding site: carbohydrate (Ser) (covalent) #status predicted
F:106-138/Disulfide bonds: #status predicted

Query Match 6.8%; Score 110.5; DB 2; Length 193;
Best Local Similarity 23.3%; Pred. No. 0.024;
Matches 50; Conservative 38; Mismatches 84; Indels 43; Gaps 11;

QY	108	LTTPAPRPHNSRGHNRRAFGPEETEDVDLSAPPA---FCULPGCRHSQHDNGMNLK	164
DB	8	LLPAA-----LRGR-----PREEQS---PAGSFRPLVQTLRSSQASNNPVA	51
QY	165	NIIDCLQILNDSTPTIRKGTTFVFWMLISFKGNALBEXKNTIVRQGFYTYQVL	224
DB	52	HV-----VANISAP-----GQLRWGDSYANALKANVELEKNDQLVPTDGLVITYQVL	100
QY	225	Y-----TDFPANGHYORKVAVFQGDLSLVTLFR--CIQNPXKTLPN--NSCSAG	273
DB	101	FRGAGCEPPLF-LTHITSRAVS-YQTKNITLSAISPCRRFPEBAKWPYPIQGG	158
QY	274	IARLEGDDEICLAIPRENAQISRNQDDTFPGALTKL	308
DB	159	VFOLEKQDRISAETINQPEYLDVAESGVYFGIALL	193

RESULT 2
T54490
tumor necrosis factor alpha precursor - white-footed mouse
C:Species: Peromyscus leucopus (white-footed mouse)

C>Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 04-Feb-2000
 C/Accession: 154490
 R/Crew, M.D.; Filipowicz, M.E.
 Immunogenetics 35, 351-353, 1992
 A>Title: Sequence of the tumor necrosis factor/cachectin (TNF) gene from *Peromyscus leucopus*
 A/Reference number: 154490; MUID:92218012; PMID:1148497
 A/Accession: 154490
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-235 <RES>
 A/Cross-references: GB:M59233; NID:g202506; PIDN:AAA40596.1; PID:g202507
 C/Genetics:
 A/Gene: TNF
 A/Intons: 62/3; 81/1; 97/1
 C/Superfamily: tumor necrosis factor
 C/Keywords: glycoprotein, lipoprotein, myristylation
 F/19/20/Binding site: myristate (lys) (covalent) #status predicted
 F/84/Binding site: carbohydrate (Ser) (covalent) #status predicted

Query March 6.7%; Score 108; DB 2; Length 235;
 Best Local Similarity 24.6%; Pred. No. 0.05; Mismatches 39; Indels 38; Gaps 9;
 Matches 35; Conservative 30; Mismatches 39; Indels 38; Gaps 9;

192 WLSPKRG-----NALEEKNIYVRQGYFFIYSGVLY---TDPFAMGHVIGRKVY 241
 107 WL---SRGAVALLANGMDLKNQVLPADGLYLVYGVLPKGGCCSSVYLTFHTVGRFAY 163
 242 HVEGDELSTVTPRCINMKEPLPNNS-----CYSAGIALERGDEL--QLAIR-- 289
 164 S-YEDKNLLSAIK-SPEKTEPEGSELEKPEYEPILGVFOLKGRDLSAEVNLPKYL 220

QY 290 ---ENAGISNCDTFPGALK 308
 221 DPAESGV-----YGVIAL 235

RESULT 3
 552715
 tumor necrosis factor alpha precursor - bovine (fragment)
 C/Species: Bos primigenius taurus (cattle)
 C/Date: 19-May-1995 #sequence_revision 21-Jul-1995 #text_change 04-Feb-2000
 C/Accession: 552715
 R/Mertens, B.; Gaidulis, L.
 Submitted to the EMBL Data Library, March 1995
 A/Description: Cloning and sequence analysis of cDNAs encoding bovine CD40 ligand and bc
 A/Reference number: 552715
 A/Accession: 552715
 A/Status: preliminary
 A/Molecule type: mRNA
 A/Residues: 1-185 <MER>
 A/Cross-references: EMBL:Z48808; NID:g755701; PIDN:CAA8743.1; PID:g755702
 C/Superfamily: tumor necrosis factor
 C/Keywords: glycoprotein
 F/33/Binding site: carbohydrate (Ser) (covalent) #status predicted
 F/97-129/Distulfide bonds: #status predicted

Query March 6.5%; Score 105.5; DB 2; Length 185;
 Best Local Similarity 20.9%; Pred. No. 0.063; Mismatches 82; Indels 25; Gaps 7;
 Matches 40; Conservative 44; Mismatches 82; Indels 25; Gaps 7;

130 GPEETEDVLSAPAPCLPGCHSGHDGKMLRNIOCLQDLSDPTIRKQTYF 189
 8 GPQEEBSPGSPSINSLVQTLASSGASNKRVAAH-----VADINSFGQLRWMDY 60

QY 190 VPMILSRGNALBEKENKIVRQGYFFIYSGVLY---TDPFAMGHVIGRKVY 243
 61 ANALMA---NGVLEEDNOLVVPADGLYLVYGVLPKGGCCSSVYLTFHTVGRFAY 114
 244 FGEELISVTLFR--CIOMNKEPLP---NNSCVSAIGARLEEDDELQALIPRENAISN 297
 115 YQTVNLISAIKSPCHRETPEMAKPWEPTIYGGVFOLKGRDLSAEVNLPKYL 174

QY 298 GDDTFPGALK 308

Db 175 SGQYFEGIAL 185

RESULT 4
 OMNSN
 tumor necrosis factor alpha precursor - mouse
 N/Alternate names: cachectin, TNF alpha
 C/Species: Mus musculus (house mouse)
 C/Date: 31-Mar-1988 #sequence_revision 31-Mar-1988 #text_change 04-Feb-2000
 C/Accession: A22908; S03791; A27303; A25164; A23127; A34251; A36696
 R/Shihata, T.; Shimizu, N.; Shiojiri, S.; Horiguchi, S.; Ito, H.
 DNA 7, 193-201, 1988
 A>Title: Cloning and expression in *Escherichia coli* of the gene for mouse tumor necrosis
 A/Reference number: A22908; MUID:88224564; PMID:2836146
 A/Accession: A22908
 A/Molecule type: DNA
 A/Residues: 1-235 <SHI>
 A/Cross-references: GB:M20155
 R/Shahov, A.N.; Nedospasov, S.A.
 Bioorg. Khim. 13, 701-705, 1987
 A>Title: Molecular cloning of the genes coding for tumor necrosis factors: complete nucle
 A/Reference number: S03791; MUID:87298639; PMID:30480015
 A/Accession: S03791
 A/Molecule type: DNA
 A/Residues: 1-235 <SHI>
 A/Cross-references: GB:M38296; NID:g202086; PIDN:AAA40459.1; PID:g202087
 A/Note: article in Russian with English abstract
 R/Semen, D.; Kawashima, E.; Jongenel, C.V.; Shakhov, A.N.; Nedospasov, S.A.
 Nucleic Acids Res. 15, 9083-9084, 1987
 A>Title: Nucleotide sequence of the murine TNF locus, including the TNF-alpha (tumor necr
 A/Reference number: A36679; MUID:88067722; PMID:3684584
 A/Accession: A27303
 A/Molecule type: DNA
 A/Residues: 1-235 <SEM>
 A/Cross-references: GB:Y00457; NID:g54830; PIDN:CAA66330.1; PID:g54832
 R/Pennica, D.; Haylick, J.S.; Bringham, T.S.; Palladino, M.A.; Goeddel, D.V.
 Proc. Natl. Acad. Sci. U.S.A. 82, 6060-6064, 1985
 A>Title: Cloning and expression in *Escherichia coli* of the cDNA for murine tumor necrosis
 A/Reference number: A25164; MUID:85298296; PMID:3898078
 A/Accession: A25164
 A/Molecule type: mRNA
 A/Residues: 1-235 <PEN>
 A/Cross-references: GB:M1171; NID:g202084; PIDN:AAA40458.1; PID:g202085
 R/Friensen, U.; Muller, R.; Marneout, A.; Tavernier, J.; van der Heyden, J.; Kawashima, E
 Nucleic Acids Res. 13, 4417-4429, 1985
 A>Title: Molecular cloning of mouse tumor necrosis factor cDNA and its eukaryotic expres
 A/Reference number: A23127; MUID:85242112; PMID:2989794
 A/Accession: A23127
 A/Molecule type: mRNA
 A/Residues: 1-235 <FRI>
 A/Cross-references: GB:X02611; NID:g54844; PIDN:CAA26457.1; PID:g54845
 R/Cseh, K.; Beutler, B.
 J. Biol. Chem. 264, 16256-16260, 1989
 A>Title: Alternative cleavage of the cachectin/tumor necrosis factor propeptide results i
 A/Reference number: A34251; MUID:89380231; PMID:2777790
 A/Accession: A34251
 A/Molecule type: protein
 A/Residues: 70-87 <CSE>
 R/Caput, D.; Beutler, B.; Hartog, K.; Thayer, R.; Brown-Shimer, S.L.; Cerami, A.
 Proc. Natl. Acad. Sci. U.S.A. 83, 1670-1674, 1986
 A>Title: Identification of a common nucleotide sequence in the 3'-untranslated region of
 A/Reference number: A36696; MUID:6614365; PMID:2419912
 A/Accession: A36696
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: mRNA
 A/Residues: 1-230; 'R', 232-235 <RES>
 A/Cross-references: GB:M3049; NID:g202082; PIDN:AAA40457.1; PID:g202083
 R/Sherry, B.; Jue, D.M.; Zentella, A.; Cerami, A.
 Biochem. Biophys. Res. Commun. 173, 1072-1078, 1990
 A>Title: Characterization of high molecular weight glycosylated forms of murine tumor nec
 A/Reference number: A36696; MUID:91097531; PMID:2286312
 A/Accession: A36696

A:Molecule type: protein
A:Residues: 80-85, 'X', 87-99 <SHE>
C:Genetics: 62/3, 81/1, 97/1
A:Note: the first intron occurs in the 5'-untranslated region
C:Superfamily: tumor necrosis factor
C:Keywords: cytokine, cyclooxin; glycoprotein; lipoprotein; lymphokine; macrophage; ment
F:80-235/Product: tumor necrosis factor #status experimental <MAT>
F:80/Binding site: myristate (lys) (covalent) #status predicted
F:88/Binding site: carboxylate (Ser) (covalent) #status predicted
F:86/Binding site: carboxylate (Asn) (covalent) #status predicted
F:148-179/Disulfide bonds: #status predicted

Query Match 5.5%, Score 105.5; DB 1; Length 235;
Best Local Similarity 22.8%; Pred. No. 0.084;
Matches 43; Conservative 43; Mismatches 56; Indels 47; Gaps 12;

QY 155 QHDD--NGNNLNRIQDCLQIADSTPTTRKTYT-----VPMILSFRGNAL-202
Db 59 QRDKFPNGPLISMAGTLTLRSSQNSDPVAHVAVNQVEOLEWL--SQANALL 116
203 -----EEKNKIVBQGTGYFYFYSGVLYND--PIFA-MGHVIOKKVHVFGEELSLVTLF 254
Db 117 ANGMDLNDQNLVPRADGILYLYVSOVLFKGGCCPDYVLLTHVVSFALS-YEKNLLSAV 175
QY 255 RCIONMPPTLPNNS-----CYSAGIARLEEGDEI--QLAIPR---ENAOISRNGD 299
Db 176 K--SPCFKDTPEGALKPWEPIYIGVYFQEKGDQLSAEVLNPKYLDFAESGQV----- 228
QY 300 DTFGALK 308
Db 229 --YFGVAL 235

RESULT 5
JH0529
tumor necrosis factor alpha precursor - sheep
N/Alternate names: cachectin; TNF alpha
C/Species: Ovis orientalis aries; Ovis ammon aries (domestic sheep)
C/Date: 10-Sep-1999 #sequence revision 10-Sep-1999 #text_change 04-Feb-2000
C/Accession: JH0529; S48118; S13114; S20661
R:Green, I.R.; Sargan, D.R.
Gene 109, 203-210, 1991
A:Title: Sequence of the cDNA encoding ovine tumor necrosis factor-alpha: problems with
A:Reference number: JH0529; WUID:92112044; PMID:1765267
A:Accession: JH0529
A:Molecule type: mRNA
A:Residues: 1-234 <GRE>
A:Cross-references: EMBL:X55152; NID:g1405; PIDN:CAA38952.1; PID:g1406
A:Experimental source: alveolar macrophage
R:Naish, A.D.; Barcham, G.U.; Brandon, M.R.; Andrews, A.E.
Immunol. Cell Biol. 69, 273-283, 1991
A:Title: Molecular cloning, expression and characterization of ovine TNF-alpha.
A:Reference number: S48118; WUID:92155784; PMID:1786996
A:Accession: S48118
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-234 <NAS>
A:Cross-references: EMBL:X56756; NID:g297806; PIDN:CAA40076.1; PID:g297807
R:Young, A.U.; Hay, J.B.; Chan, J.Y.C.
Nucleic Acids Res. 18, 6723, 1990
A:Title: Primary structure of ovine tumor necrosis factor alpha cDNA.
A:Reference number: S13114; WUID:91067496; PMID:2251151
A:Accession: S13114
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-62, 64-234 <YOU>
A:Cross-references: EMBL:X55966; NID:g1403; PIDN:CAA39437.1; PID:g1404
C:Superfamily: tumor necrosis factor
C:Keywords: alternative splicing; cytokine; cyclooxin; glycoprotein; lipoprotein; lymph
F:1-77/Domain: propeptide #status predicted <PRO>
F:148-234/Product: tumor necrosis factor alpha #status predicted <TM>

F;20/Binding site: myristate (Lys) (covalent) #status predicted
F;82/Binding site: carboxylate (Ser) (covalent) #status predicted
F;96/Binding site: carboxylate (Asn) (covalent) #status predicted
F;146-178/Disulfide bonds: #status predicted

Query Match 6.4%, Score 104.5; DB 1; Length 234;
Best Local Similarity 23.6%; Pred. No. 0.1;
Matches 47; Conservative 43; Mismatches 68; Indels 41; Gaps 13;

OY 130 GPESTEDVDLSAPPA---PCLPGCRHSQHDDNGNNLNIIDDCQLADSDPTPIRKGT 186
Db GPESTEDVDLSAPPA---PCLPGCRHSQHDDNGNNLNIIDDCQLADSDPTPIRKGT 186
57 GPOREES--PAPSEFNPFLVQTLRRSSQASNNKPVHV-----VANISAPQLRWG 106
OY 187 YTFPFWLLSFRGNALSEKENKIVRCQGYFFIYSQVY-----TDPIFANGHVIOKK 240
Db YTFPFWLLSFRGNALSEKENKIVRCQGYFFIYSQVY-----TDPIFANGHVIOKK 240
107 DSYANALMA---NGVELKQDNLVPTDGLVLYSQVLFRRHGCPSTPLF-LTHRTSRIA 161
OY 241 VHFGEDELSTVTLRR--CIQNNPKTLN-----NSCSAGIALBESDEL--QLAIR 289
Db VHFGEDELSTVTLRR--CIQNNPKTLN-----NSCSAGIALBESDEL--QLAIR 289
162 VS-VQTKNMLISAKSPCHRR--ETLEGAEAKPWYEPYIQGVFOLEKDRLSABNLTP- 216
OY 290 ENAQISRNQDDTFPGALKI 308
Db ENAQISRNQDDTFPGALKI 308
217 EYLDYAESG-QVYRQITAI 234

RESULT 6
J00029

tumor necrosis factor alpha precursor - rat
M/Alternate names: cachectin; TNF alpha
C/Species: Rattus norvegicus (Norway rat)
C/Date: 07-Jun-1990 #sequence revision 07-Jun-1990 #text_change 04-Feb-2000
C/Accession: J00029; J00868; S21674
R/Shitai, T.; Shimizu, N.; Horiguchi, S.; Ito, H.
Agric. Biol. Chem. 53, 1733-1736, 1989
A>Title: Cloning and expression in *Escherichia coli* of the gene for rat tumor necrosis factor
A/Reference number: J00029
A/Accession: J00029
A/Molecule type: DNA
A/Residues: 1-235 <SHI>
R/Kwon, J.; Chung, I.Y.; Benveniste, E.N.
Gene 132, 227-236, 1993
A>Title: Cloning and sequence analysis of the rat tumor necrosis factor-encoding genes.
A/Reference number: J00868; MUID:94040766; PMID:8224688
A/Accession: J00868
A/Molecule type: DNA
A/Residues: 1-235 <KMO>
C/Superfamily: tumor necrosis factor
A/Cross-references: GB:I00981; NID:9205253; PIDN:AAA16275.1; PID:g205254
R/Restler, H.C.; Grewe, M.; Gausling, R.; Pavlovic, M.; Decker, K.
Biol. Chem. Hoppe-Seyler 373, 271-281, 1992
A>Title: Rat tumor necrosis factor-alpha. Transcription in rat Kupffer cells and in vitro
A/Reference number: S21674; MUID:92329007; PMID:1627266
A/Accession: S21674
A/Molecule type: mRNA
A/Residues: 1-38, 'P', 40-162, 'T', 164-201, 'S', 203-235 <EST>
A/Cross-references: GB:X6539; GB:S40199; NID:9395369; PIDN:CAA47146.1; PID:g395370
C/Comment: Tumor necrosis factor is secreted by macrophages in response to endotoxin and C/Genetics:
A/Genes: TNF-alpha
A/Intons: 62/3; 81/1; 97/1
C/Superfamily: tumor necrosis factor
C/Keywords: cytokine; cytotoxin; glycoprotein; lipoprotein; lymphokine; macrophage; memb; F;80-235/Product: tumor necrosis factor #status predicted <MKT>
F;19.20/Binding site: myristate (Lys) (covalent) #status predicted
F;84/Binding site: carboxylate (Ser) (covalent) #status predicted
F;86/Binding site: carboxylate (Asn) (covalent) #status predicted
F;148-179/Disulfide bonds: #status predicted

Query Match 6.4%; Score 104; DB 2; Length 235;
Best Local Similarity 24.3%; Pred. No. 0.11;
Matches 43; Conservative 38; Mismatches 62; Indels 34; Gaps 11;

159 NGNNLNIIDDCQLADSDPTPIRKGT-----VFWLLSFRGNAL-----EEK 205

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Db      66  NGTLLISMAGTLLTRSSQNSDKPAHVAVNHAQAEQBLML--SQRNALALANGMDLK 123
Oy      206  ENKIVAGTGYFFIYSQVLYTD--PIFA-MGVHQRKRVFGEDELSTVTFRCIQNMP 261
Db      124  DNQLVVPADGLYLITVSYQLFKGQCCPDYVLLTHTVSPALS-YQEKVSLISAIX--SPCP 180
Oy      262  KTLFNNSS-----CSAGIARLEEGD--EIQALIRENAQISRNDDTFPGALKL 308
Db      181  KDTPEGALFKWPEPTVLGGVFOLEKGLLSAEVNLPR-VLDITESG-QYVFQVIAL 235

RESULT 7
OMHUN
tumor necrosis factor alpha precursor [validated] - human
M/Alternate names: cachectin, TNFA
C/Species: Homo sapiens (man)
C/Date: 28-Aug-1995 #sequence_revision 28-Aug-1985 #text_change 08-Dec-2000
C/Accession: A93585; S36153; A93351; A44189; B61478; I53311; S62610; I54522; A01646; B23
R/Neidwin, G.E.; Naylor, S.L.; Sakaguchi, A.Y.; Smith, D.; Jarrett-Neidwin, J.; Pennica, D
Nucleic Acids Res. 13, 6361-6373, 1985
A/Title: Human lymphotoxin and tumor necrosis factor genes: structure, homology and chro
A/Reference number: A93585; MUID:86016093; PMID:2995927
A/Accession: A93585
A/Molecule type: DNA
A/Residues: 1-233 <NED>
A/Cross-references: GB:X02910; GB:X02159; NID:G37209; PIDN:CAA26669.1; PID:G37210
R/Itis, F.M.; Bousguelerey, L.; Prieur, S.; Caterina, D.; Primas, G.; Perrot, V.; Jureka
Nature Genet. 3, 137-145, 1993
A/Title: Dense Alu clustering and a potential new member of the NFkappaB family within a
A/Reference number: S36152; MUID:93272029; PMID:8499947
A/Accession: S36153
A/Status: nucleic acid sequence not shown; translation not shown
A/Molecule type: DNA
A/Residues: 1-233 <RI>
A/Cross-references: EMBL:Z15026; NID:G37211; PIDN:CA8745.1; PID:G37212
R/Pennica, D.; Neidwin, G.E.; Haylick, U.S.; Seeburg, P.H.; Derynck, R.; Palladino, M.A.
Nature 312, 724-729, 1984
A/Title: Human tumor necrosis factor: precursor structure, expression and homology to I
A/Reference number: A93351; MUID:85086244; PMID:6392892
A/Accession: A93351
A/Molecule type: mRNA
A/Residues: 1-233 <PEN>
A/Cross-references: GB:X02910; GB:X02159; NID:G37209; PIDN:CAA26669.1; PID:G37210
A/Note: this protein was isolated from the monocytic-like cell line HL-60 from a promyeloc
Science 228, 149-154, 1985
A/Title: Molecular cloning of the complementary DNA for human tumor necrosis factor.
A/Reference number: A44189; MUID:85142190; PMID:3856324
A/Accession: A44189
A/Molecule type: mRNA
A/Residues: 1-62; 'S', 64-233 <MAN>
A/Cross-references: GB:M10988; NID:G339737; PIDN:AAA61198.1; PID:G339738
R/Fukuda, S.; Ando, S.; Sanou, O.; Taniguchi, M.; Fujii, M.; Masaki, N.; Nakamura, K.I.; Ar
Lymphokine Res. 7, 175-185, 1988
A/Title: Simultaneous production of natural human tumor necrosis factor-alpha, -beta and
A/Reference number: A61478; MUID:86301617; PMID:2841543
A/Accession: B61478
A/Molecule type: protein
A/Residues: 83-102;109-119;121-128; 'X',130-131;142-144; 'X',146; 'XXX',150-152;159-174;180
R/Marmenout, A.; Franssen, L.; Tavernier, J.; Van Der Heyden, J.; Tizard, R.; Kawashima,
Eur. J. Biochem. 152, 515-522, 1985
A/Title: Molecular cloning and expression of human tumor necrosis factor and comparison
A/Reference number: I53311; MUID:86030296; PMID:3932069
A/Accession: I53311
A/Status: translated from GB/EMBL/DBDJ
A/Molecule type: DNA
A/Residues: 1-233 <MAR>
A/Cross-references: GB:M26331; NID:G339763; PIDN:AAA36758.1; PID:G339764
R/Takakura-Yamamoto, R.; Yamamoto, S.; Fukuda, S.; Kurimoto, M.
Eur. J. Biochem. 235, 431-437, 1996

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A/Title: O-glycosylated species of natural human tumor necrosis factor-alpha.
A/Reference number: S62610; MUID:96202967; PMID:8631363
A/Accession: S62610
A/Molecule type: protein
A/Residues: 77-99 <TAK>
R/D'Alfonso, S.; Richiardi, P.M.
Immunogenetics 39, 150-154, 1994
A/Title: A polymorphic variation in a putative regulation box of the TNFA promoter region
A/Reference number: I54522; MUID:94102809; PMID:7903959
A/Accession: I54522
A/Status: preliminary; translated from GB/EMBL/DBDJ
A/Molecule type: DNA
A/Residues: 1-8 <DAL>
A/Cross-references: GB:S66530; NID:G544751
R/Stevenson, F.T.; Bursten, S.L.; Locksley, R.M.; Lovett, D.H.
J. Exp. Med. 176, 1053-1062, 1992
A/Title: Myristyl acylation of the tumor necrosis factor alpha precursor on specific lys
A/Reference number: A59163; MUID:93018820; PMID:1402651
A/Contents: annotation; identification of myristylated lysines
R/Aggarwal, B.B.; Kohr, W.J.; Hass, P.E.; Moffat, B.; Spencer, S.A.; Henzel, W.J.; Bringt
J. Biol. Chem. 260, 2345-2354, 1985
A/Title: Human tumor necrosis factor. Production, purification, and characterization.
A/Reference number: A92511; MUID:85130974; PMID:3871770
A/Contents: annotation; disulfide bond
C/Comment: secreted from mitogen-activated macrophages within 4-24 hours after induction,
out detriment to normal cells. It can also act synergistically with interferon gamma to i
ut are produced by different cell types and have different induction kinetics.
C/Genetics:
A/Gene: GDB:TNF, TNFA
A/Cross-references: GDB:120441; OMIM:191160
A/Map position: 6p21.3-6p21.3
A/Introns: 62/3; 78/1; 94/1
C/Complex: homotrimer
C/Superfamily: tumor necrosis factor
C/Keywords: cytokine; cytotoxin; glycoprotein; homotrimer; lipoprotein; lymphokine; macro
F11-76/Domain: propeptide #status predicted <PRO>
F177-233/Product: tumor necrosis factor #status experimental <MAY>
F119-20/Binding site: myristate (lys) (covalent) #status experimental
F145-177/Disulfide bonds: #status experimental

Query Match      6.28; Score 101; DB 1; Length 233;
Best Local Similarity 23.4%; Pred. No. 0.21;
Matches 46; Conservative 35; Mismatches 78; Indels 38; Gaps 10;

Oy      130  GP--EETEDPDVDSAPAPCPGCRHSQHDNGMNLNIIQDCLQLIADSDTIRKGT 187
Db      57  GPQREPRRDLISLSPLOAVRSSRTPD-----KPAHVAVNPOA---EGQ- 101
Oy      188  TFPWLLSPKRGML-----EKENKIVRQGTGYFFIYSQVLY----TDPFAMGHV 237
Db      102  --LQWL--NRRANALLANGVELRDNLVPSSEGLYILYSQVLFKGQCCPSTHVLHTTIS 157
Oy      238  RKKVHVGDELSVTLFR--CIQMPKPTLPNNCCYS---AGIARLEEGDEIOLATPREN 291
Db      158  RIAYS-VQIKVNLISAISKPCQRETPGAKRWPEPTVLGGVFOLEKGLLSAEINRPD 216
Oy      292  AQISRNDDTTFGALKL 308
Db      217  YLDPASGGVYFGIAL 233

RESULT 8
S24642
tumor necrosis factor alpha precursor - bovine
C/Species: Bos primigenius taurus (cattle)
C/Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
C/Accession: I46047; S24642
R/Clude, I.; Cleuter, Y.; Kettmann, R.; Burny, A.; Droogmans, L.
Cytokine 5, 336-341, 1993
A/Title: Cloning and characterization of the tandemly arranged bovine lymphotoxin and tun
A/Reference number: I46046; MUID:94083525; PMID:8260599

```

A:Accession: I46047
 A:Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: DNA
 A:Residues: 1-233 <CL2>
 A:Cross-references: EMBL:Z14137, NID:G796, PIDD:CAA78511.1, PID:G798
 C:Genetics:
 A:Gene: TNFA
 A:Introns: 62/3: 78/1: 94/1
 C:Superfamily: tumor necrosis factor
 C:Keywords: glycoprotein; lipoprotein; myristylation; transmembrane protein
 F:20/Binding site: myristate (Lys) (covalent) #status predicted
 F:81/Binding site: carbonylate (Ser) (covalent) #status predicted
 F:145-177/Disulfide bonds: #status predicted

Query Match 5.9%; Score 96; DB 1; Length 233;
 Best Local Similarity 22.3%; Pred. No. 0.58;
 Matches 33; Conservative 37; Mismatches 60; Indels 18; Gaps 6;

Qy 173 LIADSDFTIRKGYTFVPMWLSFRKGNALKEKNIIVRGYFFIYSQVLY-----T 226
 Db 92 VVADINSFGQJRWMDSYANALMA---NGVKLEDPQVLVPADGLIYSQVLFPGQGPS 147
 Qy 227 DPIFMGHVIOKKVHVFGEDELIVTLFR--CIQMPKTLF---NSCYSGAGIARLEEG 280
 Db 148 TPLF-LTHITSLAVS-YQTKVNLISAKSPCHRETPEMAEKMPYEPYIOGQVFOLEKG 205
 Qy 281 DEIQLAIPRENAQISRNQSDTFFGALXL 308
 Db 206 DRLSAENLPDVLPAESGQVYFGIALL 233

RESULT 9
 A25451
 tumor necrosis factor alpha precursor - rabbit
 N:Alternate names: cachectin; TNF alpha
 C:Species: Oryctolagus cuniculus (domestic rabbit)
 C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
 C:Accession: A25454; A25451; J50727
 R:Itto, H.; Yamamoto, S.; Kuroda, S.; Sakamoto, H.; Kajihara, J.; Kiyota, T.; Hayashi, H.
 DNA 5, 149-156, 1986
 A:Title: Molecular cloning and expression in Escherichia coli of the cDNA coding for rat
 A:Reference number: A25454; MUID:86219711; PMID:3519137
 A:Accession: A25454
 A:Molecule type: mRNA
 A:Residues: 1-234 <IT0>
 A:Cross-references: GB:M12845; NID:G165759; PIDD:AAA31486.1; PID:G165760
 R:Itto, H.; Shirai, T.; Yamamoto, S.; Akira, M.; Kawahara, S.; Todd, C.W.; Wallace, R.B.
 DNA 5, 157-165, 1986
 A:Title: Molecular cloning of the gene encoding rabbit tumor necrosis factor.
 A:Reference number: A25451; MUID:86219712; PMID:3519138
 A:Accession: A25451
 A:Molecule type: DNA
 A:Residues: 1-234 <IT2>
 A:Note: This sequence differs from that shown in having a Gln inserted between residues
 R:Shahov, A.N.; Kuprash, D.V.; Azarov, M.M.; Jongeneel, C.V.; Nedospasov, S.A.
 Gene 95, 215-221, 1990
 A:Title: Structural analysis of the rabbit TNF locus, containing the genes encoding TNF-
 A:Reference number: JH0309; MUID:91065534; PMID:2249779
 A:Accession: J50727
 A:Status: nucleic acid sequence not shown; translation not shown
 A:Molecule type: DNA
 A:Residues: 1-62; 'O', 63-234 <SHA>
 A:Cross-references: GB:M60340; GB:M5326; NID:G165754; PIDD:AAA31484.1; PID:G165756
 C:Genetics:
 A:Introns: 62/3: 80/1: 96/1
 C:Superfamily: tumor necrosis factor
 C:Keywords: cytokine; cytotoxin; glycoprotein; lipoprotein; lymphokine; macrophage; memb
 F:1-81/Domain: propeptide #status predicted <PRO>
 F:82-234/Product: tumor necrosis factor #status predicted <MAT>
 F:19-20/Binding site: myristate (Lys) (covalent) #status predicted
 F:83/Binding site: carbonylate (Ser) (covalent) #status predicted
 F:147-178/Disulfide bonds: #status predicted

Query Match 5.8%; Score 95; DB 1; Length 234;
 Best Local Similarity 21.4%; Pred. No. 0.71; 77; Indels 68; Gaps 13;
 Matches 51; Conservative 42; Mismatches

Qy 132 EETEDVDLSAPPAP-----CLPGCR-----HSQHD 157
 Db 4 ESMIRDEVLEAGPLPKKAGPGSKRCLCLSLFSLVAGATTLFCLLHRVIGPOEEB 63
 Qy 158 DNGMNLNITQDCLQ-----IADSDFTIR-----KGYTFVPMWLSFRKGNAL----- 202
 Db 64 PNNILVNPVAGQVTLRSASRAUSDKPLAHVANPOVEQ--LQWL--SQANALLANG 118
 Qy 203 -EKENKIVRGYFFIYSQVLYTD---PIFMGHVIOKKVHVFGEDELIVTLFR-- 255
 Db 119 MKLTDNQLVVPADGLIYISQVLFSGQGPSYVLLHHTVSRAVS-YPNKVNLSAISKSP 177
 Qy 256 CIQMPKTLFNNSCYS---AGIARLEEGDEIQLAIR-ENAOISRNQSDTFFGALXL 308
 Db 178 CHRETEPEAEPMAMYEPIYIGVFOLEKGRLESTEVNOPEYLDLASG-QVYFGIALL 234

RESULT 10
 J01344
 tumor necrosis factor alpha precursor - horse
 N:Alternate names: cachectin; TNF alpha
 C:Species: Equus caballus (domestic horse)
 C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
 C:Accession: J01344
 R:Su, X.; Morris, D.D.; McGraw, R.A.
 Gene 107, 319-321, 1991
 A:Title: Cloning and characterization of gene TNF alpha encoding equine tumor necrosis fe
 A:Reference number: J01344; MUID:92084125; PMID:1748301
 A:Accession: J01344
 A:Molecule type: DNA
 A:Residues: 1-234 <SUH>
 A:Cross-references: GB:M64087; NID:G164244; PIDD:AAA30959.1; PID:G164245
 A:Comment: This protein is an important proximal mediator of endotoxemia.
 C:Genetics:
 A:Gene: TNF-alpha
 A:Introns: 62/3: 79/1: 95/1
 C:Superfamily: tumor necrosis factor
 C:Keywords: cytokine; cytotoxin; glycoprotein; lipoprotein; lymphokine; macrophage; memb
 F:78-234/Product: tumor necrosis factor alpha #status predicted <TUM>
 F:19-20/Binding site: myristate (Lys) (covalent) #status predicted
 F:82/Binding site: carbonylate (Ser) (covalent) #status predicted
 F:146-178/Disulfide bonds: #status predicted

Query Match 5.8%; Score 93.5; DB 1; Length 234;
 Best Local Similarity 22.7%; Pred. No. 0.97; 77; Indels 49; Gaps 10;
 Matches 46; Conservative 31; Mismatches

Qy 130 GPEETQVDVLSAPPACLPGRHSGHDNGMNLNITQDCLQIADSDFTIRKGYTF 189
 Db 57 GPQREEG-----LP-----NAFOSINPLAQTLR--SSSRPSPDPAHV 94
 Qy 190 -----VPMWLSFRKGNAL-----EKENKIVRGYFFIYSQVLY-----TDPIFA 231
 Db 95 ANPOAEGQLMWLSG--DANALLANGVLTNNQVLVPLDGLIYSQVLFSGQGPSRHVL 152
 Qy 232 MGHVIOKKVHVFGEDELIVTLFR--CIQMPKTLFNNSCYS---AGIARLEEGDEIQ 285
 Db 153 LTHITSLAVS-YPSKVNLSAISKSPCHTESPQAEKMPYEPYIYIGVFOLEKGDLSA 211
 Qy 286 AIPRENAQISRNQSDTFFGALXL 308
 Db 212 EINQPNFLDPAESGQVYFGIALL 234

RESULT 11
 T51904
 hypothetical protein B2311.160 [imported] - Neurospora crassa
 C:Species: Neurospora crassa
 C:Date: 20-Oct-2000 #sequence_revision 20-Oct-2000 #text_change 20-Oct-2000

C/Accession: T51904
 R/Schulte, U.; Algn, V.; Hehse, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatura,
 submitted to the Protein Sequence Database, August 2000
 A/Reference number: Z25858
 A/Accession: T51904
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-1051 <SCH>
 C/Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 21-Jul-2000
 C/Accession: T39812
 R/Lyme, M.; Rajandream, M.A.; Barrell, B.G.; Lucas, M.; Gaillardin, C.
 submitted to the EMBL Data Library, June 1998
 A/Reference number: Z21881
 A/Accession: T39812
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-716 <LYN>
 A/Cross-references: EMBL:AL023859; PIDN:CAA19574.1; GSPDB:GN00067; SPDB:SPBCL9C7.06
 A/Experimental source: strain 97zh-; cosmid c19C7
 C/Genetics:
 A/Map position: 2
 A/Map position: 2
 C/Superfamily: proline-trna ligase pros

Query Match 5.7%; Score 92.5; DB 2; Length 1051;
 Best Local Similarity 23.4%; Pred. No. 7.4;
 Matches 41; Conservative 20; Mismatches 67; Indels 47; Gaps 4;

33 QKEGAMFGICRDGR-----LATLLALLSSFTAMSLYGLA 71
 815 QQNGGCGHARAGSLGSGSLRAGGSLAGNRALLSLSLSTAP-----A 870
 72 ALQADIMNIMELQSYRGSAATPAAGAPLTVGKLLTPAAPPHNSRGHNRRAFGCP 131
 871 RRTSSMNVSV--NNGGASPTANRTGVRTSGQVRSILPPLGQSQPFTNRPADEGA 927
 132 EETEQVDLSAPAPCLPGCRHSQHDNMGMLRNIIQDCLQIADSPFTIRKGT 186
 928 EDAPSTVDAATAPYIPEGHPSH-----PTSPVTAAT 963

RESULT 12
 T39812
 hypothetical protein SPBCL9C7.06 - fission yeast (Schizosaccharomyces pombe)
 C/Species: Schizosaccharomyces pombe
 C/Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 21-Jul-2000
 C/Accession: T39812
 R/Lyme, M.; Rajandream, M.A.; Barrell, B.G.; Lucas, M.; Gaillardin, C.
 submitted to the EMBL Data Library, June 1998
 A/Reference number: Z21881
 A/Accession: T39812
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-716 <LYN>
 A/Cross-references: EMBL:AL023859; PIDN:CAA19574.1; GSPDB:GN00067; SPDB:SPBCL9C7.06
 A/Experimental source: strain 97zh-; cosmid c19C7
 C/Genetics:
 A/Map position: 2
 A/Map position: 2
 C/Superfamily: proline-trna ligase pros

Query Match 5.7%; Score 92; DB 2; Length 716;
 Best Local Similarity 21.3%; Pred. No. 5.1;
 Matches 56; Conservative 43; Mismatches 92; Indels 72; Gaps 12;

44 RDRGLAATLTLALLSSFTAMSLYGLAQLADIMLRME--LQSRGATPAAGAPL 101
 88 KEKMAAALVEEVFGIPPTDVGIFSVKNENASKVAVLDALIGHNG---LAFHPSS 143
 102 TAGVCLTPAAPPHNSRGHNRRAFGCPETEQVDLSAP---PAPCLPGC--RHSQH 156
 144 SAKTVVSPAAVQTVLSVG-----VNPITVDSAGSATAPKPAQKKKAP 192
 157 DDNGMLRNIIQDCLQIADSPFTIRK-----GTYFVPMLSFKGNA 201
 193 SKNDALIAEMALIGITVRKADAFPMVYQOVLTQSDMIEYDISGCYILKFW--SYSIMEA 250
 202 LE---EKENKIVRQGYFFIYSQVLYTDPIFAMGHVIRKRVAV--FGDELSTVLPFC 256
 251 IQMFKETIKLGVKRGYF-----PLFVSSKVLKEDHVEGFAPEVAVYT----- 296
 257 IQMFKETIKLGVKRGYF-----PLFVSSKVLKEDHVEGFAPEVAVYT----- 296

Db 297 -----RACTSELDE 305

RESULT 13
 S17289
 tumor necrosis factor beta precursor - pig
 C/Species: Sus scrofa domestica (domestic pig)
 C/Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
 C/Accession: S17289
 R/Kuhnert, P.; Muehlich, C.; Peterhans, E.; Pauli, U.
 Gene 102, 171-178, 1991
 A/Title: The porcine tumor necrosis factor-encoding genes: sequence and comparative anal
 A/Reference number: S17289; MUID:91340150; PMID:1874444
 A/Accession: S17289
 A/Molecule type: DNA
 A/Residues: 1-204 <KUH>
 A/Cross-references: EMBL:X54859; NID:92132; PIDN:CAA3638.1; PID:92133.
 C/Genetics:
 A/Introns: 32/3; 68/1
 C/Superfamily: tumor necrosis factor
 C/Keywords: cytokine; signal sequence; status predicted <SIG>
 F11-33/Domain: signal sequence; status predicted <SIG>
 F134-204/Product: tumor necrosis factor beta; status predicted <MAT>

Query Match 5.6%; Score 91.5; DB 1; Length 204;
 Best Local Similarity 20.9%; Pred. No. 1.2;
 Matches 45; Conservative 34; Mismatches 61; Indels 75; Gaps 11;

131 EETEQVDLSAPAPCLPGCRH--SQHDNMGMLRNIIQDCLQIADSPFTIRKGT 181
 28 PPEAQGLPGVGLPSPAAQPAHQHPKH-----LARGTLKAAHLVDPSTPDSLRRANT 82
 182 -----IRKGYTFVPMLSFKRGNALEKENKIVRQGYFFIYSQVLYT-----D 227
 83 DRAPLRHG-----FLLS-----NNSLVPPISGLYFYVSQVYFSGGCPKATPT 126
 228 PIFAMGHVIRKRVAVGDE---LSIVTLFRCIQNMFKTLPNNSCYASAGIARLEGGDEI 283
 127 PLV-LAHEVO-----LFSSQYPPHVPILSAQKVCPCGPGPQVWVSYQAGVPLTQGD-- 178
 284 QLAIFREMAQISRNQDPT-----FRGAKL 308
 179 -----QUSTHTDGTPHLLSPSSVFPGAPAL 204

RESULT 14
 S22052
 tumor necrosis factor alpha precursor - baboon
 C/Species: Papio sp. (baboon)
 C/Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 04-Feb-2000
 C/Accession: S22052
 R/Sanjana, M.; Edwards, A.
 submitted to the EMBL Data Library, September 1991
 A/Description: Baboon Tumor Necrosis Factor Derived from Sequences of Genomic DNA.
 A/Reference number: S22052
 A/Accession: S22052
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-233 <SAN>
 A/Cross-references: EMBL:X62141; NID:938159; PIDN:CAA44068.1; PID:938160
 C/Genetics:
 A/Introns: 62/3; 78/1; 94/1
 C/Superfamily: tumor necrosis factor
 C/Keywords: glycoprotein; lipoprotein; myristylation; transmembrane protein
 F119/20/Binding site: myristate (lys) (covalent) #status predicted
 F181/Binding site: carbohydrate (Ser) (covalent) #status predicted
 F145-177/Disulfide bonds: #status predicted

Query Match 5.6%; Score 91.5; DB 1; Length 233;
 Best Local Similarity 25.6%; Pred. No. 1.5;
 Matches 34; Conservative 24; Mismatches 56; Indels 19; Gaps 6;

192 WLISFKRGNAL-----EKENKIVRQGYFFIYSQVLYT-----TDPFAMGHVIRKRV 241


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Db      104 WL--NRANALANGVEIRDNDLVPSSEGLYISQVLFKGGCPSTHVLTHITISRIAY 161
      242 HVFGDELVLVLEFR--CIQNMPKTLPNNSCYS---AGIARLEEGDEIQLAIPRENAQIS 295
Db      162 S-YQTKVNLISLIXPCQRETPEGAAKFWPEPIYLGIVFOLEKGRISATINLPDYIDF 220
QY      296 RRGDDTFPGALKL 308
Db      221 AESGQVYFGITAL 233

```

RESULT 15

```

B85711
Probable IS encoded protein within CF-9330 Z2080 [imported] - Escherichia coli (strain C
C:Species: Escherichia coli
C:Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 14-Sep-2001
C:Accession: B85711
R:Perna, N.T.; Plunkett III, G.; Burland, V.; Mau, B.; Glasner, J.D.; Rose, D.J.; Mayhew
Miller, L.; Grobebeck, E.J.; Davis, N.W.; Lim, A.; Diallanta, E.; Potamoudis, K.; Apodaca,
Nature 409, 529-533, 2001
A:Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7.
A:Reference number: A65480; MUID:21074935; PMID:11206551
A:Accession: B85711
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-230 <STO>
A:Cross-references: GB:AE005174; NID:g12515026; PIDN:AAG56150.1; GSPDB:GN00145; UWGP:Z20
A:Experimental source: strain O157:H7, substrain EDL933
C:Genetics:
A:Gene: Z2080

```

Query Match 5.6%; Score 91; DB 2; Length 230;

Best Local Similarity 25.3%; Pred. No. 1.6; Mismatches 65; Indels 32; Gaps 6;

Matches 39; Conservative 18; Mismatches 65; Indels 32; Gaps 6;

```

QY      69 QIATLQADLMNLRMELQSYSGSATPAAGAPELTAGVKLTTPAAPRPHNSSRGHNRRAAF 128
      52 RIAGKEADLNRLQKESDITG-----RYDPAVGRP---LRQTRTKPF 92
QY      129 QGPETEODVDLSAPPAPCLPGCRHSQH--DDNGMNLNIIQDCLQIADSDTPTI--- 182
      93 --PEELPRDEKELTPAAPCCPNCGSLSYLGEDTAEOQL-ELMRSSLPGVPDGTGKTCLYS 149
QY      183 ----RKGTYTFVPWLTSPKGNALBEKENKIYVR 212
Db      150 VACHRAGTCTFAAHRAGYRRTGAGAPRADLEVCR 183

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Job time : 28.5303 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 25, 2004, 14:25:53 ; Search time 15.6061 Seconds
(without alignments)
1030.989 Million cell updates/sec

Title: US-09-911-777b-2

Perfect score: 1624
Sequence: 1 MDESKATLPPLCPCLCFCEKSG.....ENAGISRMGDDTFGALXKL 309

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1624	100.0	309	1 T13B_MOUSE	Q9WU72 mus musculus
2	910	56.0	285	1 T13B_HUMAN	Q94777 homo sapien
3	236.5	14.6	241	1 TN13_MOUSE	Q75888 homo sapien
4	234.5	14.4	250	1 TN13_HUMAN	Q98965 bos taurus
5	114	7.0	391	1 EDA_BOVIN	Q92838 homo sapien
6	114	7.0	391	1 EDA_HUMAN	Q54693 mus musculus
7	112	6.9	391	1 EDA_MOUSE	Q94mk2 rattus norv
8	109.5	6.7	392	1 T160_RAT	Q8chk4 mus musculus
9	109	6.7	513	1 T160_MOUSE	P36939 peromyscus
10	108	6.7	235	1 TNFA_MOUSE	Q8mk98 salmtri sci
11	106.5	6.6	233	1 TNFA_SALIC	Q92993 homo sapien
12	106	6.5	233	1 TNFA_TRIUV	P56684 bos indicus
13	106	6.5	513	1 T160_HUMAN	P13296 capra hircu
14	105.5	6.5	234	1 TNFA_BOSHI	P06804 mus musculus
15	105.5	6.5	235	1 TNFA_MOUSE	P23383 ovies aries
16	105.5	6.4	234	1 TNFA_SHEEP	P16599 rattus norv
17	104.5	6.4	235	1 TNFA_RAT	Q8nz48 pan troglod
18	104	6.4	232	1 TNFA_PANTR	Q8nt48 macropus eu
19	103.5	6.4	232	1 TNFA_PANTR	P01375 homo sapien
20	101.5	6.2	201	1 TNFA_MOUSE	P51742 canis famli
21	101	6.2	233	1 TNFA_HUMAN	Q77764 macropus eu
22	100.5	6.2	233	1 TNFA_CANFA	P59695 papio anubi
23	100	6.2	233	1 TNFA_MACPU	P04924 oryctolagus
24	100	6.2	233	1 TNFA_PAPAN	P51435 cervia elap
25	99.5	6.1	235	1 TNFA_RABIT	P51743 cervus elap
26	98.5	6.1	234	1 TNFA_CAVPO	Q96kq7 homo sapien
27	97.5	6.0	229	1 TNFA_CERET	P19101 felis silve
28	97	6.0	1210	1 TNFA_HUMAN	Q06593 bos taurus
29	96.5	5.9	233	1 TNFA_BOVIN	P59693 bubalus bub
30	96	5.9	233	1 TNFA_BOVIN	Q35734 marmota mon
31	96	5.9	233	1 TNFA_BOVIN	Q9ayh3 mus musculu
32	95	5.8	233	1 TNFA_MARMO	
33	94.5	5.8	239	1 TN14_MOUSE	

34	94.5	5.8	280	1 TNF6_MACMU	Q9WU16 macaca mula
35	93.5	5.8	233	1 TNFA_LAMGL	P59694 lama glama
36	93.5	5.8	233	1 TNFA_HORSE	P29553 equus caball
37	93	5.7	233	1 TNFA_TURTR	Q9bdn1 turstlops tr
38	92.5	5.7	280	1 TNF6_CERTO	Q9bdn1 cercocobus
39	91.5	5.6	204	1 TNF6_PIG	P26445 sus scrofa
40	91.5	5.6	233	1 TNFA_PAPSP	P33620 papio sp. (
41	90.5	5.6	233	1 TNFA_DEILE	Q8wn1 delphidapre
42	90	5.5	233	1 TNFA_PAPHU	Q77510 papio hanad
43	90	5.5	240	1 TN14_HUMAN	Q4357 homo sapien
44	89.5	5.5	197	1 TNF6_RABIT	P10154 oryctolagus
45	89.5	5.5	279	1 TNF6_MOUSE	P41047 mus musculu

ALIGNMENTS

```

RESULT 1
ID T13B_MOUSE STANDARD; PRT; 309 AA.
AC Q9WU72;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Tumor necrosis factor ligand superfamily member 13B (B cell-activating
DE factor) (BAFF).
GN TNFSF13B OR BAFF.
OS Mus musculus (Mouse).
CC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
CC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN (1)
RP SEQUENCE FROM N.A.
RX MEDLINE=9288033; PubMed=10359578;
RA Schneider P., Mackay F., Steiner V., Hofmann K., Bodmer J.-L.,
RA Holler N., Ambrose C., Lawton P., Bixler S., Acha-Orbea H.,
RA Vaimori D., Romero P., Werner-Favre C., Zudler R.H., Browning J.L.,
RA Tschopp J.;
RT "BAFF, a novel ligand of the tumor necrosis factor family, stimulates
RT B cell growth."
RT J. Exp. Med. 189:1747-1756 (1999).
RN (2)
RP SEQUENCE FROM N.A., AND VARIANT SER-79.
RX STRAIN=NB;
RX MEDLINE=21850530; PubMed=11862414;
RA Jiang Y., Ontsuji M., Abe M., Li N., Xiu Y., Wen X.S., Shirai T.,
RA Hirose S.;
RT "Polymorphism and chromosomal mapping of the mouse gene for B-cell
RT activating factor belonging to the tumor necrosis factor family
RT (BAff) and association with the autoimmune phenotype."
RN Immunogenetics 53:810-813(2001).
CC -1- FUNCTION: Cytokine that binds to TNFSF13B/BAFF and TNFRSF17/BCMA.
CC 2 ligands -2 receptors to the same 2 receptors. Together, they form a
CC and T-cell function and the regulation of humoral immunity. A
CC third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the
CC survival of mature B-cells and the B-cell response.
CC -1- SUBUNIT: Homotrimer.
CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an
CC extracellular soluble form.
CC -1- PTM: The soluble form derives from the membrane form by
CC proteolytic processing.
CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
CC
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CC
CC EMBL; AF119383; AAD22475.1; -

```


[9] X-RAY CRYSTALLOGRAPHY (3.0 ANGSTROMS) OF 142-285.
MEDLINE=21642897; PubMed=11853672;
RA Liu Y., Xu L., Opalka N., Kappeler J., Shu H.-B., Zhang G.;
RT "Crystal structure of STNL-1 reveals a virus-like assembly of TNF family ligands.";
RL Cell 108:383-394(2002).
[10]
X-RAY CRYSTALLOGRAPHY (2.8 ANGSTROMS) OF 136-285.
MEDLINE=21686304; PubMed=11827482;
RA Karpuus M., Cachero T.G., Qian F., Boriack-Sjodin A., Mullen C.,
RT Strauch N., Hsu Y.-W., Kalled S.L.;
RT "Crystal structure of extracellular human BAFF, a TNF family member that stimulates B lymphocytes.";
J. Mol. Biol. 315:1145-1154(2002).
[11]
X-RAY CRYSTALLOGRAPHY (2.0 ANGSTROMS) OF 134-285.
MEDLINE=21912420; PubMed=11862220;
RA Oren D.A., Li Y., Volovik Y., Morris T.S., Dharia C., Das K.,
RT Galperina O., Gentz R., Arnold E.;
RT "Structural basis of BlyS receptor recognition.";
Nat. Struct. Biol. 9:288-292(2002)
-1 FUNCTION: Cytokine that binds to TNFSF13B/TACI and TNFSF17/BCMA, 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response.
CC
CC
CC
CC
CC
CC
CC
CC
-1 SUBUNIT: Homotrimer.
CC
CC
CC
-1 SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an extracellular soluble form.
CC
CC
CC
-1 TISSUE SPECIFICITY: ABUNDANTLY EXPRESSED IN PERIPHERAL BLOOD LEUKOCYTES AND IS SPECIFICALLY EXPRESSED IN MONOCYTES AND MACROPHAGES. ALSO FOUND IN THE SPLEEN, LYMPH NODE, BONE MARROW, T- CELLS AND DENDRITIC CELLS. A LOWER EXPRESSION SEEN IN PLACENTA, HEART, LUNG, FETAL LIVER, THYMUS AND PANCREAS.
CC
CC
CC
-1 INDUCTION: UPREGULATED BY EXPOSURE TO INTERFERON-GAMMA. DOWN- REGULATED BY PHORBOL MYRISTATE ACETATE/IONOMYCIN TREATMENT.
CC
CC
CC
-1 PM: The soluble form derives from the membrane form by proteolytic processing.
CC
CC
CC
-1 SIMILARITY: Belongs to the tumor necrosis factor family.

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CC
CC
EMBL AF136293; AAD29421.1; -
DR EMBL AF16456; AAD25356.1; -
DR EMBL AF132600; AAD21092.1; -
DR EMBL AF186114; AAP01432.1; -
DR EMBL AF134715; AAP60219.1; -
DR EMBL AB073225; BAB08056.1; -
DR EMBL BC020674; AAB20674.1; -
DR PDB 1KXG; 03-APR-02.
DR PDB 1KD7; 12-NOV-02.
DR PDB 1JHS; 08-FEB-02.
DR Genew; HGNC:11929; TNFSF13B.
MIM: 603969; -
DR GO:GO:0005625; C:soluble fraction; TAS.
DR GO:GO:0005102; F:receptor binding; TAS.
DR GO:GO:0008283; P:cell proliferation; TAS.
DR GO:GO:0008284; P:positive regulation of cell proliferation; TAS.
DR GO:GO:0007165; P:signal transduction; TAS.
DR InterPro; IPR006052; TNF_family.
DR InterPro; IPR006983; TNF_like.
SMART: SM00207; TNF_1.
DR PROSITE; PS00251; TNF_1; FALSE_NEG.
DR PROSITE; PS50049; TNF_2; 1.

Query Match	Best Local Similarity	Score	DB	Length
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;	56.0%;	910;	1;	285;
Query	1	MDSEAKTLPPCCLECFGESEKGDGKV-GYDPTTPQKEGAMGICRDGRLAATLLALIS	59	
Db	1	MDDBTER-EGSRLLTCLKREKMKACVSTILPKESPS-VRSSKDGKLAATLLALIS	58	
QY	60	SSFTSMGLYOLALYODLMLRMELQSYRGSATPAAGAPE-----LTAGVLLTPA	111	
Db	59	CLTLVAFYQVAALQGDGLASIRAEIQLGHNAEKLPAGAGAPRAGLEAPAVTAGLKIFEP	118	
QY	112	APRHNSRSRGRNRRAQGEPEHEDVDLAPAPACPLPGCHNSQHDNGMNLNIIQDCL	171	
Db	119	APGEGNSSQNSRNKRAVQGPPEET-----VTQDCL	147	
QY	172	QLIADSDPTIRKGYTFYFVFWMLSPFKGNALDEKKNILVYQTYFFIYSOVLYTDPIFA	231	
Db	148	QLIADSDPTIRKGYTFYFVFWMLSPFKGNALDEKKNILVYQTYFFIYSOVLYTDPIFA	207	
QY	232	MGHVIQKKKAVHVGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPREN	291	
Db	208	MGHVIQKKKAVHVGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEEGDEIQLAIPREN	267	
QY	292	AOISRMGDTFFGALKLL 309		
Db	268	AOISRMGDTFFGALKLL 285		

DE Tumor necrosis factor ligand superfamily member 13 (A proliferation-inducing ligand) (APRIL).

DE TNFSP13 OR APRIL.

OS Mus musculus (Mouse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

OX NCBI_TaxId=10090;

RN (1)

RP SEQUENCE FROM N.A.

RC TISSUE=Lung;

RX MEDLINE=21170294; PubMed=1093284;

RA Yu G., Boone T., Delaney T., Hawkins N., Kelley M.J., Ramakrishnan M., McCabe S., Qiu W.R., Kornuc M., Xia X.-Z., Guo J., Stolina M., Boyle W.J., Satosi I., Hsu H., Senaldi G., Theill L.E.;

RT "APRIL and TALL-1 and receptors BCMA and TACT: system for regulating humoral immunity.";

RL Nat. Immunol. 1:252-256(2000).

RN (2)

RP SEQUENCE FROM N.A.

RC TISSUE=Tongue;

RX MEDLINE=C57BL/6J; PubMed=11217851;

RA Kawai U., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y., Arakawa T., Hara A., Fukunishi Y., Kono H., Adachi U., Fukuda S., Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamataka I., Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R., Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T., Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H., Kuehl P., Lewis S., Matsuo Y., Nakado I., Pesole G., Quackenbush J., Schirni L.M., Staudt F., Suzuki R., Tomita M., Wagner L., Washio T., Sakai K., Okido T., Furuno M., Aono H., Balderelli R., Barsh G., Blake J., Boftelli D., Bojunga N., Carninci P., de Bonaldo M.F., Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M., Gustincich S., Hill D., Hofmann M., Hume D.A., Kamuya M., Lee N.H., Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P., Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N., Sasaki H., Sato K., Schoenbach C., Seta T., Shibata Y., Storch K.-F., Suzuki H., Toyokawa K., Wang K.H., Weitz C., Whitaker C., Wilting L., Wyszynski B., Yoshida K., Hasegawa Y., Kawaji H., Kohlsuki S., Hayashizaki Y.;

RT "Functional annotation of a full-length mouse cDNA collection.";

RL Nature 409:685-690(2001).

CC -1- FUNCTION: Cytokine that binds to TNFRSF1B/NCI and to TNFRSF17/BCMA. May be implicated in the regulation of tumor cell growth. May be involved in monocyte/macrophage-mediated immunological processes.

CC -1- SUBUNIT: Homotrimer (Potential).

CC -1- SUBCELLULAR LOCATION: Secreted (By similarity).

CC -1- PTM: The soluble form derives from the membrane form by proteolytic processing.

CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.

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CC EMBL: AF294825; AAC22534.1; -

CC EMBL: AK009514; BAB26332.1; -

DR MED: MGI:191683; Tnf6f13.

DR GO: GO:0008284; P:Positive regulation of cell proliferation; IDA.

DR InterPro: IPR006052; TNF_family.

DR InterPro: IPR008983; TNF_like.

DR SMART: SMO0207; TNF; 1.

DR PROSITE: PS00251; TNF; 1.

DR PROSITE: PS50045; TNF_2; 1.

DR CycloP: Immune response; Glycoprotein.

FM PROPEP 1 95 BY SIMILARITY.

FT CHAIN 96 241 TUMOR NECROSIS FACTOR LIGAND SUPERFAMILY MEMBER 13.

FT SITE 95 96 CLEAVAGE (BY FURIN) (BY SIMILARITY).

FT DISUPRID 187 202 POTENTIAL.

FT CARBOHYD 115 115 N-LINKED (GLCNAC...) (POTENTIAL).

FT CONFLICT 120 120 MISSING (IN REF. 2).

SO SEQUENCE 241 AA; 26889 MW; 4896D03DBD6712A4 CRC64;

Query Match 14.6%; Score 236.5; DB 1; Length 241;

Best Local Similarity 29.4%; Pred. No. 1,4e-13;

Matches 83; Conservative 35; Mismatches 117; Indels 47; Gaps 8;

QY 32 POREFGAMFGICDGRRLATLL--ALLSSSTAMSVQALALQADLNLNRLQSYRG 89

Db 2 PASSPGMGSSVEPALSVATLWSGAVGAVTCAVA--LLIQTELQSLREVRLQR 58

QY 90 SATPAAGAPDLTAGVTLTPAAPRPHNSRGHNRAPQGPETEDVDLSAPAPCLP 149

Db 59 SCGPSSQKGRPPQSLMEQSPDLVEMKQAKRRRAVLTCGKKHGSVLHVPV---- 114

QY 150 GCRHSQHDNGMRLNRINIQDCLQIDSDPTFRKGTFFVPLSLFKRGMLSEENKI 209

Db 115 -----NITSK-----ADSDV-----TEVMQPYLRGRGLEAQGDIV 146

QY 210 VVRQGYFFIYQVLYNDPFFAMGVYORKKVAHFGDELIVLFRQIONMPTLNP--- 266

Db 147 RWDPTGLYLXQVLFEDVTFMGQVSR-----GQGRRETLFFCRISMPSD-PDRAV 199

QY 267 NSCYSGIARIEECDEIQALPRENAGISNNGDTFFGALKL 308

Db 200 NSCYSGAVFHLHQGDITTVXKIPRANALSLSPHGTFLGFKVL 241

RESULT 4

TN13_HUMAN STANDARD; PRT; 250 AA.

AC 075888; Q96HV6; Q9PIM8; Q9PIM3;

DT 16-OCT-2001 (Rel. 40, Last sequence update)

DT 16-OCT-2001 (Rel. 40, Last sequence update)

DT 10-OCT-2003 (Rel. 42, Last annotation update)

DE Tumor necrosis factor ligand superfamily member 13 (A proliferation-inducing ligand) (APRIL) (TNF- and ABOL-related leukocyte expressed

DE ligand 2) (TALL-2) (TNF-related death ligand-1) (TRDL-1).

GN TNFSP13 OR APRIL OR TALL2 OR ZTNF2.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

OX NCBI_TaxId=9606;

RN (1)

RP SEQUENCE FROM N.A.

RC TISSUE=Uterus;

RX MEDLINE=98416181; PubMed=9743536;

RA Hahne M., Kataoka T., Schroeter M., Hofmann K., Irmeler M., Bodmer J.-L., Schneider P., Bormand T., Holler N., French L.B., Sordat B., Rimoldi D., Tschopp J.;

RT "APRIL, a new ligand of the tumor necrosis factor family, stimulates tumor cell growth.";

RL J. Exp. Med. 188:1185-1190(1998).

RN (2)

RP SEQUENCE FROM N.A.

RX MEDLINE=99260341; PubMed=10331498;

RA Shu H.-B., Hu W.-H., Johnson H.; TNF family that is down-regulated by "TALL-1 is a novel member of the

RT ligands.";

RL J. Leukoc. Biol. 65:680-683(1999).

RN (3)

RP SEQUENCE FROM N.A.

RA Parrish T., Grant P., Haldeman B., Whitmore T., Gross J., O'Hara P.;

RT "Homo sapiens tumor necrosis factor homolog.";

RT Submitted (Oct-1999) to the EMBL/Genbank/DBJ databases.

RN (4)

RP SEQUENCE FROM N.A. (ISOFORMS ALPHA; BETA AND GAMMA).

RX MEDLINE=20168636; PubMed=10706119;

RA Kelly K.A., Mance E.J., Jensen G.T., Nadauld L., Jones D.A.;

RT "APRIL/TRDL-1, a tumor necrosis factor-like ligand, stimulates cell death.";

RL Cancer Res. 60:1021-1027(2000).
 RN [5]
 RP SEQUENCE OF 1-247 FROM N.A.
 RC TISSUE=OVARY;
 RX MEDLINE=2238257; PubMed=12477932;
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
 RA Diachenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Uedini T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gamaralline P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Huiyx S.W.,
 RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Fahney J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Buterfield V.S.N., Krzywinski M.T., Skalska U., Smalins D.E.,
 RA Scherch A., Schein J.E., Jones S.J.M., Marra M.A.,
 RA "Generation and initial analysis of more than 15,000 full-length
 RT human and mouse cDNA sequences.";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RN [6]
 RP FUNCTION.
 RX MEDLINE=21170294; PubMed=10973284;
 RA Yu G., Boone T., Delaney J., Hawkins N., Kelley M.J., Ramakrishnan M.,
 RA McCabe S., Qiu W.R., Kozmuc M., Xia X.-Z., Guo J., Stolina M.,
 RA Boyle W.J., Sarosi I., Hsu H., Senaldi G., Theill L.E.,
 RA "April and TALL-1 and receptors BCMA and TACI: system for regulating
 RT humoral immunity.";
 RL Nat. Immunol. 1:252-256(2000).
 RN [7]
 RP PROCESSING BY FURIN, MUTAGENESIS OF 101-ARG--ARG-104, AND
 RX SUBCELLULAR LOCATION.
 RA MEDLINE=21486098; PubMed=11571266;
 RA Lopez-Fraga M., Fernandez R., Albar J.P., Hahne M.,
 RA "Biologically active April is secreted following intracellular
 RT processing in the Golgi apparatus by furin convertase.";
 RL EMBO Rep. 2:945-951(2001).
 RN [8]
 RP FUNCTION: Cytokine that binds to TNFRSF13B/TACI and to
 CC TNFRSF17/BCMA. May be implicated in the regulation of tumor cell
 CC growth. May be involved in monocyte/macrophage-mediated
 CC immunological processes.
 CC SUBUNIT: Homotrimer (Potential).
 CC SUBCELLULAR LOCATION: Secreted.
 CC ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=3;
 CC Name=Alpha;
 CC IsoId=O75888-1; Sequence=Displayed;
 CC Name=Beta;
 CC IsoId=O75888-2; Sequence=VSP_006450;
 CC Name=Gamma;
 CC IsoId=O75888-3; Sequence=VSP_006451;
 CC TISSUE SPECIFICITY: EXPRESSED AT HIGH LEVELS IN TRANSFORMED CELL
 CC LINES, CANCERS OF COLON, THYROID, LYMPHOID TISSUES AND
 CC SPECIFICALLY EXPRESSED IN MONOCYTES AND MACROPHAGES.
 CC INDUCTION: DOWN-REGULATED BY PHORBOL MYRISTATE ACETATE/IONOMYCIN
 CC TREATMENT.
 CC PTM: The precursor is cleaved by furin.
 CC SIMILARITY: Belongs to the tumor necrosis factor family.
 CC
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 CC EMBL, AF046888; AAC61312.1; -

DR EMBL, AF136294; AAD29422.1; -
 DR EMBL, AF184972; AAF01331.1; -
 DR EMBL, AF114011; AAF59828.1; -
 DR EMBL, AF114012; AAF59829.1; -
 DR EMBL, AF114013; AAF59830.1; -
 DR EMBL, BC008042; AAH08042.1; -
 DR GeneW, HGNC:11928; TNFRSF13.
 DR MIM, 604472; -
 DR GO, GO:0005102; F:receptor binding; TAS.
 DR GO, GO:0008284; P:positive regulation of cell proliferation; TAS.
 DR GO, GO:0007165; P:signal transduction; TAS.
 DR InterPro, IPR006052; TNF family.
 DR InterPro, IPR008983; TNF-like.
 DR Pfam, PF00229; TNF; 1.
 DR SMART, SMO0207; TNF; 1.
 DR PROSITE, PS00251; TNF_1; 1.
 DR PROSITE, PS50049; TNF_2; 1.
 DR Cytokine; Immune response; Glycoprotein;
 KW Alternative splicing.
 FT PROPEP 1 104
 FT CHAIN 105 250
 FT SITE 104 105
 FT DISULFID 196 211
 FT CARBOHYD 124 124
 FT VARSPIC 113 129
 FT FT 247 249
 FT VARSPIC 247 249
 FT FT 101 104
 FT MUTAGEN 101 104
 FT FT 96 96
 FT CONFLICT 247 247
 FT FT 247 247
 FT SEQUENCE 250 AA; 27433 MW; AE1AE9457FE298 CRC64;
 Query Match 14.4%; Score 234.5; DB 1; Length 250;
 Best Local Similarity 28.2%; Pred. No. 2,2e-13;
 Matches 82; Conservative 44; Mismatches 104; Indels 61; Gaps 11;
 QY 30 ITPKKEGAMFGICRDRLLAATLL--ALLSSFTMISYQALAIQADIMNTMETQSY 87
 DB 9 LAPGPPGNNGGPYREBALSVALLMSGALGAVACAMA--LITQTEIGSRREVSRL 65
 QY 88 RGSATPAAG-----APETAGVILTPAAPPHNSGHNRRAPQGPETEDVDL 140
 DB 66 QGTGPGQNEGYPWQSLPPOS-----SPALAMENKERS RKRRAVLTQKKQSHVL 118
 QY 141 SAPPAFLPCGRHSQHDDNGMLRNIIQDCLQIADSDPTIRKGYTFVFWLLSFRGN 200
 DB 119 HLVP-----INATSKD-----DSDV-----TEVMQPALRRGR 146
 QY 201 ALEKENKIVVROTYGFETISQVLYNDPIFAMGHVIRKKVHYFGDELISLVLPFCIQNM 260
 DB 147 GLQKQGVRIQDAGVYLLSYVLPQDVTFWQVVSRE-----QGGRQETLFRCTIRM 200
 QY 261 PXTLPN---NSCYSAGIARLEBDEIQLAIPRENAQISRGDPTFGALXL 308
 DB 201 P-SHPDRAVNSCYSAQVFLHQQDIIIVIPARAKNLNSPHQTFIGVYL 250
 RESULT 5
 EDA_BOVIN STANDARD; PRT; 391 AA.
 AC Q9BEG5; Q9BEG6;
 DT 28-FEB-2003 (Rel. 41, Created)
 DT 28-FEB-2003 (Rel. 41, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Ectodysplasin A (Ectodysplasin 1) (Ectodermal dysplasia protein).
 GN Ed1 OR EDA.
 OS Bos taurus (Bovine).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
 OC Bovidae; Bovinae; Bos.

Query Match	Best Local Match	Score 114; DB 1; Length 391;
Matches 49; Conservative 36; Mismatches 90; Indels 52; Gaps 9		
CC	NCBI_TaxID=9913;	
RN	[1]	
RP	SEQUENCE FROM N.A. (ISOFORMS A1 AND A2).	
RP	STRAIN=Holstein; PubMed=1167539;	
RX	MEDLINE=21070494; Distl O., Leeb T.;	
RA	Dresemueller C., Identification of a highly polymorphic microsatellite within the	
RT	bovine ectodysplasin A (Edi) gene on BTA Xq22-24.";	
RL	Anim. Genet. 31:416-416(2000).	
CC	-1- FUNCTION: Probably involved in epithelial-mesenchymal signaling.	
CC	Inform A1 binds only to the receptor EDAR, while isoform A2 binds	
CC	exclusively to the receptor XEDAR (by similarity).	
CC	-1- SUBUNIT: Homotrimer (by similarity).	
CC	-1- SUBCELLULAR LOCATION: Type II membrane protein and secreted (By	
CC	similarity).	
CC	-1- ALTERNATIVE PRODUCTS:	
CC	Event=Alternative splicing; Named isoforms=2;	
CC	Comment=Additional isoforms seem to exist;	
CC	Name=A1;	
CC	Isoid=Q9BEG5-1; Sequence=Displayed;	
CC	Name=A2;	
CC	Isoid=Q9BEG5-2; Sequence=VSD_006453;	
CC	-1- PTM: N-glycosylated (By similarity).	
CC	-1- PTM: Processing by furin produces a secreted form (By similarity).	
CC	-1- DISEAS: Defects in Edi are the cause of anhidrotic ectodermal	
CC	dysplasia. The disease is characterized by sparse hair (atriphosis	
CC	or hypotrichosis), abnormal or missing teeth and the inability to	
CC	sweat due to the absence of sweat glands.	
CC	-1- SIMILARITY: Belongs to the tumor necrosis factor family.	
CC	-1- SIMILARITY: Contains 1 collagenous domain.	
CC	-----	
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CC	entities requires a license agreement (See http://www.isb-sb.ch/announce/	
CC	or send an email to license@isb-sb.ch).	
CC	-----	
DR	EMBL; AJ300468; CAC29151.1; -	
DR	EMBL; AJ300469; CAC28151.1; JOINED.	
DR	EMBL; AJ278907; CAC28151.1; JOINED.	
DR	EMBL; AJ300468; CAC29152.1; -	
DR	EMBL; AJ300469; CAC29152.1; JOINED.	
DR	EMBL; AJ278907; CAC29152.1; JOINED.	
DR	InterPro; IPR008160; Collagen.	
DR	InterPro; IPR006052; TNF family.	
DR	InterPro; IPR008983; TNF-like.	
DR	Pfam; PF01911; Collagen_1.	
DR	SMART; SMO0207; TNF_1.	
DR	PROSITE; PS00251; TNF_1; FALSE_NEG.	
DR	PROSITE; PS00049; TNF_2; 1.	
KW	Differentiation; Developmental protein; Collagen; Transmembrane;	
KW	Signal-anchor; Glycoprotein; Alternative splicing.	
FT	CHAIN 1 381	
FT	CHAIN 1 391	
FT	CHAIN 160 391	
FT	DOMAIN 1 41	
FT	TRANSMEM 42 62	
FT	FT	
FT	DOMAIN 63 391	
FT	SITE 159 160	
FT	DOMAIN 180 229	
FT	CARBOHYD 313 313	
FT	CARBOHYD 372 372	
FT	VARSPLIC 307 308	
SO	SEQUENCE 391 AA; 41567 MW; 1F87AD67A04EB7AA CRC64;	

Oy 93 PAAAGPAPELTLAGVLLTTPAARPRNRSRGHNRRAROGPEPETQDVDSLAPAPCLPGGR 152
 Db 200 FGIPIGPIGPIGTTVWGPPGPPGP-----PPGCGPGGLGSGSGAD---KAGIRNQPAY 251
 Oy 153 HSGHDNMGNNMLN-----IIDCCLQIADSDTPTRIKGTYFVPMILSRGNALBEKEN 207
 Db 252 HLGQGSALIQVKNDSLGSGLVMDWRITNN---PRYFK-----LHPRSG 291
 Oy 208 KIVYRGTGCFPIYSQY-----LYDPTFAMGHVYGRKXHVPEDELSTVTRPCIONMK 262
 Db 292 ELEVLVDGYTFPIYSQVEVYINFTD--FASVEVVDK-----PFLDQTSIET 336
 Oy 263 TLPN-NSCSAGIARLEGEDEICLAIPRENAQISRNDDTFFGALKL 308
 Db 339 GKNNYTCYCTAGVCLLKARQKIAVQMVADISIMSKHTTFFGAIRL 365

RESULT 6
 EDA HUMAN
 ID AC EDA HUMAN STANDARD; PRT; 391 AA.
 RC MEDLINE=075910; OSUP77; Q9Y6L0; Q9Y6L1; Q9Y6L2; Q9Y6L3; Q9Y6L4;
 DT 01-NOV-1997 (Rel. 35, Created)
 DT 15-JUL-1999 (Rel. 38, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Ectodysplasin A (ectodermal dysplasia protein) (EDA protein).
 GN EDI OR EDA.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
 OX NCBI_TaxID=9606.
 RN [1]
 RN SEQUENCE FROM N.A. (ISOFORM I), AND VARIANTS EDA HIS-61 AND LEU-69.
 RC TISSUE=Sweat gland;
 RX MEDLINE=96313280; PubMed=8696314;
 RA Kere J., Srivastava A.K., Montonen O., Zonana J., Thomas N.S.T.,
 RA Ferguson B.M., Munoz F., Morgan D., Clarke A., Baybayan P.,
 RA Chen E.Y., Ezer S., Saarialho-Kere U., la Chapelle A.,
 RA Schlesinger D.;
 RT "X-linked anhidrotic (hypohidrotic) ectodermal dysplasia is caused by
 RT mutation in a novel transmembrane protein.";
 RL Nat. Genet. 13:409-416(1996).
 RN [2]
 RN SEQUENCE FROM N.A. (ISOFORM A1), AND VARIANTS EDA.
 RC TISSUE=Liver;
 RX MEDLINE=98349961; PubMed=9693615;
 RA Montreuil A.W., Zonana J., Ferguson B.M.;
 RA "Identification of a new splice form of the EDA1 gene permits
 RT detection of nearly all X-linked hypohidrotic ectodermal dysplasia
 RT mutations.";
 RL Am. J. Hum. Genet. 63:380-389(1998).
 RN [3]
 RN SEQUENCE FROM N.A. (ISOFORM A1; A2; B; C; D; E AND F), AND VARIANTS
 RN EDA.
 RX MEDLINE=98409495; PubMed=9736768;
 RA Bayes M., Hartung A.U., Ezer S., Pispas J., Thesleff I.,
 RA Srivastava A.K., Kere J.;
 RT "The anhidrotic ectodermal dysplasia gene (EDA) undergoes alternative
 RT splicing and encodes ectodysplasin-A with deletion mutations in
 RT collagenous repeats.";
 RL Hum. Mol. Genet. 7:1661-1665(1998).
 RN [4]
 RN SEQUENCE FROM N.A. (ISOFORM A1 AND C).
 RA Clark S.;
 RL Submitted (DEC-2001) to the EMBL/Genbank/DBJ databases.
 RN [5]
 RN TISSUE SPECIFICITY AND ALTERNATIVE SPLICING.
 RA Kobielak K., Kobielak A., Tziczak W.H.;
 RT "Expression of a novel transcript isoform of the EDA gene in human
 RT umbilical cord.";
 RL Eur. J. Hum. Genet. Suppl. 7:104-104(1999).
 RN
 RN RECEPTOR INTERACTION (ISOFORMS A1 AND A2).
 RX MEDLINE=20495245; PubMed=11039935

RA Yan M., Wang L.-C., Hymowitz S.G., Schilbach S., Lee J., Goddard A.,
RA de Vos A.M., Gao W.-Q., Dixit V.M.;
RT "Two-amino acid molecular switch in an epithelial morphogen that
RT regulates binding to two distinct receptors.";
RL Science 290:523-527(2000).
RN
RP PROCESSING, MUTAGENESIS OF ARG-153, AND CHARACTERIZATION OF VARIANT
RP HIS-156.
RX MEDLINE=21205766; PubMed=11309369;
RA Elomaa O., Pulkkinen K., Hanneilus U., Mikkola M., Saarialho-Kere U.,
RA "Ectodysplasin is released by proteolytic shedding and binds to the
RT EDAR protein.";
RL Hum. Mol. Genet. 10:953-962(2001).
RN
RN CHARACTERIZATION OF VARIANTS CYS-155; CYS-156 AND HIS-156, MUTAGENESIS
RP OF ARG-153; LYS-158 AND ARG-159, AND CLEAVAGE SITE.
RX MEDLINE=21309995; PubMed=11416205;
RA Chen Y., Molloy S.S., Thomas L., Gambee J., Baechinger H.P.,
RA Ferguson B.M., Zonana J., Thomas G., Morris N.P.;
RT "Mutations within a furin consensus sequence block proteolytic release
RT of ectodysplasin-A and cause X-linked hypohidrotic ectodermal
Proc. Natl. Acad. Sci. U.S.A. 98:7218-7223(2001).
RN
RN [9]
RP VARIANT EDA TYR-54.
RX MEDLINE=98292028; PubMed=963076;
RA Hertz J.M., Noerregaard Hansen K., Juncker I., Kjeldsen M.,
RA Gregersen N.;
RT "A novel missense mutation (402C-->T) in exon 1 in the EDA gene in a
RT family with X-linked hypohidrotic ectodermal dysplasia.";
RL Clin. Genet. 53:205-209(1998).
RN
RN [10]
RP VARIANT EDA LYS-63.
RX MEDLINE=98168231; PubMed=9507389;
RA Ferguson B.M., Thomas N.S.T., Munoz F., Morgan D., Clarke A.,
RA Zonana J.;
RT "Scarcity of mutations detected in families with X linked hypohidrotic
RT ectodermal dysplasia: diagnostic implications.";
RL J. Med. Genet. 35:112-115(1998).
RN
RN [11]
RP VARIANT EDA ARG-55.
RX MEDLINE=9939307; PubMed=10469321;
RA Martinez F., Millan J.M., Orellana C., Prieto F.;
RT "X-linked anhidrotic (hypohidrotic) ectodermal dysplasia caused by a
RT novel mutation in EDA1 gene: 406T -> G (Leu55Arg).";
RL J. Invest. Dermatol. 113:285-286(1999).
RN
RN [12]
RP VARIANTS EDA ARG-60; TYR-252; VAL-269; SER-302 AND MET-378.
RX MEDLINE=21272350; PubMed=11378824;
RA Vincent M.C., Biancalana V., Giniety D., Mandel J.L., Calvas P.;
RT "Mutational spectrum of the ED1 gene in X-linked hypohidrotic
RT ectodermal dysplasia.";
RL Eur. J. Hum. Genet. 9:355-363(2001).
RN
RN [13]
RP VARIANTS EDA CYS-156; HIS-156; CYS-255; ASP-255; GLY-274; TYR-312 AND
RP THR-349.
RX MEDLINE=21193173; PubMed=11295832;
RA Paasekheenen K., Cambiaghi S., Novelli G., Ouzts L.V., Penttinen M.,
RA Kere J., Sivaatava A.K.;
RT "The mutation spectrum of the EDA gene in X-linked anhidrotic
RT ectodermal dysplasia.";
RL Hum. Mutat. 17:349-349(2001).
RN
RN -1- FUNCTION: Seems to be involved in epithelial-mesenchymal signaling
CC during morphogenesis of ectodermal organs. Isoform A1 binds only
CC to the receptor EDAR, while isoform A2 binds exclusively to the
CC receptor XEDAR.
CC
CC -1- SUBUNIT: Homotrimer.
CC
CC -1- SUBCELLULAR LOCATION: Type II membrane protein and secreted.
CC
CC -1- ALTERNATIVE PRODUCTS:
CC Event=Alternative splicing; Named isoforms=8;
CC Comment=Additional isoforms seem to exist;
CC Name=A1, Synonyms=I1.

CC
CC IsoId=Q92838-1; Sequence=Displayed;
CC Name=I;
CC IsoId=Q92838-2; Sequence=VSP_006454, VSP_006455;
CC
CC Name=A2;
CC IsoId=Q92838-3; Sequence=VSP_006464;
CC
CC Name=B;
CC IsoId=Q92838-4; Sequence=VSP_006462, VSP_006463;
CC Name=C;
CC IsoId=Q92838-5; Sequence=VSP_006458, VSP_006461;
CC Name=D;
CC IsoId=Q92838-6; Sequence=VSP_006456, VSP_006457;
CC Name=E;
CC IsoId=Q92838-7; Sequence=VSP_006459, VSP_006461;
CC
CC Name=F;
CC IsoId=Q92838-8; Sequence=VSP_006460, VSP_006461;
CC -1- TISSUE SPECIFICITY: Not abundant; expressed in specific cell types
CC of ectodermal (but not mesodermal) origin of keratinocytes, hair
CC follicles, sweat glands. Also in adult heart, liver, muscle,
CC pancreas, prostate, fetal liver, uterus, small intestine and
CC umbilical chord.
CC
CC -1- PTM: N-glycosylated.
CC
CC -1- PTM: Processing by furin produces a secreted form.
CC
CC -1- DISEASE: Defects in ED1 are the cause of ectodermal dysplasia,
CC anhidrotic (EDA) [MIM:305100]; also known as X-linked hypohidrotic
CC ectodermal dysplasia (XHEED). EDA is a disease characterized by
CC sparse hair (atrichosis or hypotrichosis), abnormal or missing
CC teeth and the inability to sweat due to the absence of sweat
CC glands. EDA is the most common form of over 150 clinically
CC distinct ectodermal dysplasias. This disease was already described
CC by Darwin.
CC
CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
CC
CC -1- SIMILARITY: Contains 1 collagenous domain.
CC
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CC or send an email to license@isb-sib.ch).
CC
CC -----
CC EMBL; U59227; AAC50678.1; -;
CC EMBL; U59228; AAC50679.1; -;
CC EMBL; AF061189; AAC77371.1; -;
CC EMBL; AF061190; AAC77372.1; -;
CC EMBL; AF061191; AAC77373.1; -;
CC EMBL; AF061192; AAC77374.1; -;
CC EMBL; AF061193; AAC77375.1; -;
CC EMBL; AF061194; AAC77376.1; -;
CC EMBL; AF060997; AAC36302.1; -;
CC EMBL; AF060998; AAC36303.1; -;
CC EMBL; AF060999; AAC36303.1; JOINED.
CC EMBL; AF060992; AAC36303.1; JOINED.
CC EMBL; AF060993; AAC36303.1; JOINED.
CC EMBL; AF060994; AAC36303.1; JOINED.
CC EMBL; AF060995; AAC36303.1; JOINED.
CC EMBL; AF060996; AAC36303.1; JOINED.
CC EMBL; AF060997; AAC36303.1; JOINED.
CC EMBL; AF060628; AAC77363.1; -;
CC EMBL; AL158069; CAD18980.1; -;
CC EMBL; AL158141; CAD13493.1; -;
CC GeneW; HGNC:3157; ED1.
CC MIM; 300451; -;
CC MIM; 305100; -;
CC DR GO; GO:0005856; C:cytoskeleton; TAS.
CC DR GO; GO:0016021; C:integral to membrane; TAS.
CC DR GO; GO:0005624; C:membrane fraction; TAS.
CC DR GO; GO:0005866; C:plasma membrane; TAS.
CC DR GO; GO:0005102; F:receptor binding; TAS.
CC DR GO; GO:0007398; P:ectoderm development; TAS.
CC DR GO; GO:0007165; P:signal transduction; TAS.
CC DR InterPro; IPR008160; Collagen.
CC DR InterPro; IPR006052; TNF family.
CC DR InterPro; IPR008983; TNF-like.

```

Query Match: 7.0%; Score 114; DB 1; length 391;
Best Local Similarity 21.6%; Pred.No.0.016;
Matches 49; Conservative 36; Mismatches 90; Indels 52; Gaps 9

Cy 93 PAAGAPETLTAAGKLTTPAAPRPHNHSRGHNRRAFGPEETGDDVDLSAPAPCLPGCR 152
Db 200 FGIPIGPIPIGTVMGPPGPBP-----PGQPGPGLQPGSGAD---KAGTRENPAYV 251
Cy 153 HSHDNDGNMLN-----IICDCLLINDSPTPIIRKGTTFVFWMLSPFRGNALREKN 207
Db 252 HLGQGSALQVKNDSGGVLNWSMTN-----PKFK-----LTPRSG 291
Cy 208 KIVRQGYFFIYQY-----LYTDPFPMGHVIQKKVHVFGBELSVTLFRCIONMK 262
Db 292 ELEVLVDGYFFIYQYEVYIYNFD--FASYEVVDEK-----PFLQCTRIET 338
Cy 263 TLPN-NSCYSGARLAEEDDELQALPENNQISNDPPFPAIK 308
Db 339 GKTYNYCTYAGCLLKARQKTAIVKXVHADISINMSKHITTFGAIRL 385

RESULT 7
EDA_MOUSE
ID EDA_MOUSE STANDARD: PRT: 391 AA.
AC 054693; 035705; 09QWJ8; 09QZ01; 09QZ02;
AD 15-JUL-1999 (Rel. 38, Created)
AD 15-JUL-1999 (Rel. 38, Last sequence update)
DT 15-OCT-2003 (Rel. 42, Last annotation update)
DE Ectodysplasin A (EDA protein homolog) (Tabby protein).
EN EDI OR EDA OR TA.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A. (ISOFORMS TAA; TAB AND TAC).
RC STRAIN=129/SV;
RX MEDLINE=98058770; PubMed=93711801;
RA Srivastava A.K., Pissa J., Hartung A.U., Du Y., Exer S., Jenks T.,
RA Shimada T., Pekkanen M., Mikola M.L., Ko M.S.H., Thesleff I.,
RA Kere U., Schlessinger D.;
RT "The Tabby phenotype is caused by mutation in a mouse homologue of the
RT EDA gene that reveals novel mouse and human exons and encodes a
RT protein (ectodysplasin-A) with collagenous domains."
RL Proc. Natl. Acad. Sci. U.S.A. 94:13069-13074(1997).
RN [2]
RP SEQUENCE FROM N.A. (ISOFORM TAP).
RX MEDLINE=97449184; PubMed=9285798;
RA Ferguson B.W., Brockdorff N., Forstone E., Nguyen T.,
RA Krommiller J.E., Zonana J.;
RT "Cloning of Tabby, the murine homolog of the human EDA gene: evidence
RT for a membrane-associated protein with a short collagenous domain.";
RL Hum. Mol. Genet. 6:1589-1594(1997).
RN [3]
RP SEQUENCE FROM N.A. (ISOFORMS TA-A2 AND TA-A3).
RC TISSUE=Embryo;
RX MEDLINE=20005791; PubMed=10534613;
RA Mikola M.L., Pissa J., Pekkanen M., Paulin L., Nieminen P., Kere J.,
RA Thesleff I.;
RT "Ectodysplasin, a protein required for epithelial morphogenesis, is a
RT novel TNF homologue and promotes cell-matrix adhesion.";
RL Mech. Dev. 88:133-146(1999).
CC -1- FUNCTION: Involved in epithelial-mesenchymal signaling during
CC morphogenesis of ectodermal organs. Isoform TAA binds only to the
CC receptor EDA-R, while isoform TA-A2 binds exclusively to the
CC -1- SUBUNIT: Hemotrimer (By similarity).
CC -1- SUBCELLULAR LOCATION: Type II membrane protein and secreted (By
CC similarity).
CC -1- ALTERNATIVE PRODUCTS:
CC Event=Alternative splicing; Named isoforms=6;
CC Comment=Additional isoforms seem to exist;
CC

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	Name=TA; Synonyms=A1;
CC	IsoId=O54693-1; Sequence=Displayed;
CC	Name=TA-A2;
CC	IsoId=O54693-2; Sequence=VSP_006471;
CC	Name=TA-A3;
CC	IsoId=O54693-3; Sequence=VSP_006469, VSP_006471;
CC	Name=PAB;
CC	IsoId-O54693-4; Sequence=VSP_006466, VSP_006467;
CC	Name=TAC;
CC	IsoId=O54693-5; Sequence=VSP_006465, VSP_006468;
CC	Name=PAD;
CC	IsoId=O54693-6; Sequence=VSP_006470;
CC	-I- PTM: N-glycosylated (by similarity).
CC	-I- PM: Processing by furin produces a secreted form (By similarity).
CC	-I- DISEASE: Defects in EDL are the cause of the tabby phenotype in mice (the equivalent of anhidrotic ectodermal dysplasia in humans). The disease is characterized by sparse hair (ectrichosis or hypotrichosis), abnormal or missing teeth and the inability to sweat due to the absence of sweat glands.
CC	-I- SIMILARITY: Belongs to the tumor necrosis factor family.
CC	-I- SIMILARITY: Contains 1 collagenous domain.
CC	-----
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CC	-----
DR	EMBL; AF016627; AAB95202.1; -
DR	EMBL; AF016628; AAB95203.1; -
DR	EMBL; AF016629; AAB95204.1; -
DR	EMBL; AF016630; AAB95205.1; -
DR	EMBL; AF016631; AAB95206.1; -
DR	EMBL; AF004434; AAB88121.1; -
DR	EMBL; AF004435; AAB88122.1; -
DR	EMBL; Y13438; CAA73849.1; -
DR	EMBL; AJ243657; CAB52696.1; -
DR	EMBL; AJ243658; CAB52697.1; -
DR	MGI:119527; Ecd.
DR	GGO:0045175; C:apical part of cell; IDA.
DR	GO:0005789; C:endoplasmic reticulum membrane; IDA.
DR	GO:0005887; C:integral to plasma membrane; IDA.
DR	GO:G0:0007160; P:cell-matrix adhesion; IDA.
DR	GO:G0:0042346; P:positive regulation of NF-kappa protein-nu.; IDA.
DR	GO:G0:0007431; P:salivary gland development; IDA.
DR	InterPro: IPR0061602; Collagen.
DR	InterPro: IPR006052; TNF family.
DR	InterPro: IPR008983; TNF_like.
DR	Pfam; PF01391; TNF; 1.
DR	SMART; SMO0207; Collagen; 1.
DR	PROSITE; PS00251; TNF_1; FALSE_NEG.
DR	PROSITE; PSS0049; TNF_2; 1.
KW	Differentiation; Developmental protein; Collagen; Transmembrane;
KW	Signal-anchor; Glycoprotein; Alternative splicing.
FT	CHAIN 1 .. 391
FT	CHAIN 160 .. 391
FT	DOMAIN 1 .. 41
FT	TRANSMEM 42 .. 62
FT	DOMAIN 63 .. 391
FT	DOMAIN 180 .. 229
FT	SITE 159 .. 160
FT	CARBOHYD 313 .. 313
FT	CARBOHYD 372 .. 372
FT	VARSPLIC 133 .. 238
PT	N-LINKED (GLCNAC..) (POTENTIAL).
PT	N-LINKED (GLCNAC..) (POTENTIAL).
PT	MALINFEPPDEKAYSEESRVRNKRKSSEGADGPYKNK
PT	KKGGKAGPGNGSGPGPGPGPGIPGIPGIPGVVM
PT	GPGGPGPGPGPGPGIGSGGA -> VSHTGGAAALEAP
PT	SPALGGGLGRACGTPLRAKPKFGSRGWENGYRGCGPGQ
PT	VVGSCSSGSPEVPMSWKQAPEARLAAGEVMAA (In isoform TAc).

FT	VARSPLIC	169	177		/FtId=VSP_006465. PVKKKKKK-->KSTGYIFPP (In isoform TAB).
FT	VARSPLIC	178	391		/FtId=VSP_006466. Missing (in isoform TAB).
FT	VARSPLIC	239	391		/FtId=VSP_006467. Missing (in isoform TAC).
FT	VARSPLIC	265	267		/FtId=VSP_006468. Missing (in isoform TA-A3).
FT	VARSPLIC	295	308		/FtId=VSP_006469. Missing (in isoform TAD).
FT	VARSPLIC	307	308		/FtId=VSP_006470. Missing (in isoform TA-A2 and isoform TA-A3).
FT	VARSPLIC	307	308		/FtId=VSP_006471. D -> E (IN REF. 2).
SQ	SEQUENCE	391 AA,	126 41603 MM;	126	ESHCEDA5BD60DEFF CRG64;
Query Match Best Local Similarity 21.1%; Score 112; DB 1; Length 391; Matches 48; Conservative 36; Mismatches 91; Indels 52; Gaps 9					
QY	93	PAAGAPELTGVKLTLPAPRPHNSGGHNRRAFGPEETNEQVDLSAPPAPCLPGCR	152		
Dd	200	PGRIGPBIPTGTWGPDPGPDP---PQPQPPQLQPSGAADKTGRENO---PAVV	251		
QY	153	HSQHDDNGMNLRN-----IIOQCLOLADSDFTRIKQTYTFVPWLSEFKGNALAEKEN	207		
Dd	252	HLQGCGSAIQVNDLGSGVLNDSMTNN---PKVFx-----LHPRSSG	291		
QY	208	KIVVRQRTGFITYGSV-----LYNPITAMGHVIRKRVHYVGDELSTLTFRCLQNMPK	262		
Dd	292	ELELVLDGTFITYGSVEVYYINFDP--PASYEVVADKK-----PLQCTRSJET	338		
QY	263	TLPVN-NSCYSAGIAFLSEGDIEOLAIPEENQAISNGDTFFGALKL	308		
Dd	339	GKTYNTCYTAGVCILTKAROKRIAYVMYADISIMSKHTTFGARLR	385		
RESULT 8					
TI60 RAT	ID	TI60 RAT	STANDARD:	PRT;	392 AA.
AC	O99MK2:				
DT	15-MAR-2004 (Rel. 43, Created)				
DT	15-MAR-2004 (Rel. 43, Last sequence update)				
DT	15-MAR-2004 (Rel. 43, Last annotation update)				
DE	Histone acetyltransferase HATIP (EC 2.3.1.48) (60 kDa Rat interactive protein) (Tip60) (Fragment)				
DN	HATIP OR TIP60 OR TIP60B.				
OS	Rattus norvegicus (Rat).				
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.				
OX	NCBI_TaxID=10116;				
RN	[1]				
RN	SEQUENCE FROM N.A., AND INTERACTION WITH APP.				
RP	MEDLINE=21334727; PubMed=11441186;				
RX	Cao X., Suedhof T.C.;				
RA	"A transcriptionally active complex of APP with Fe65 and histone				
RT	acetyltransferase Tip60.";				
RL	Science 293:115-120(2001)."				
-I-	FUNCTIO: Histone acetyltransferase that plays major roles DNA				
CC	repair and apoptosis following double strand DNA breaks.				
CC	Acetylation of histones gives a specific tag for epigenetic				
CC	transcription activation (By similarity).				
CC	-I- CATALYTIC ACTIVITY: Acetyl-CoA + histone - CoA + acetyl-histone.				
CC	-I- SUBUNIT: Interacts with PLAZG4A/CPLA2, EDNRA and HDAC7. Component				
CC	of the TIP60 HAT complex, at least composed of HATIP/TIP60,				
CC	RUVBL1/TIP49, RUVBL2/TIP48 and TRRAP, which preferentially				
CC	acetylates histone H4 (and H2A) within nucleosomes (By				
CC	similarity).				
-I-	SUBCELLULAR LOCATION: Nuclear. Upon stimulation from EBN1, it is				
CC	exported from the nucleus to the perinuclear region (By				
CC	similarity). Interacts with the cytoplasmic tail of APP.				
-I-	PM: Phosphorylated. Phosphorylated form has a higher activity (By				

CC	similarity).
CC	-1- PWM: Ubiquitinated by MDM2, leading to its proteasome-dependent degradation (By similarity).
CC	-1- SIMILARITY: Belongs to the MST (SAS/MOZ) family.
CC	-----
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CC	-----
DR	EMBL; AF33984; AAK20836.1; -
DR	InterPro; IPR002717; MOZ SAS.
DR	Pfam; PF01853; MOZ_SAS; 1.
KM	Transcription regulation, Transferase; Activator; Nuclear protein;
KM	Zinc-finger, Phosphorylation; Ubl conjugation.
FT	NON_TER 1 1
FT	ZN_FING 147 169
FT	MOD_RES 24 24
FT	MOD_RES 28 28
FT	-----
FT	NON_TER 392 392
SO	SEQUENCE 392 AA; 44738 MW; B4167602016789A9 CRC64;
Query Match	Best Local Similarity 6.7%; Score 109.5; DB 1; Length 392;
Matches	54; Conservative 25; Mismatches 77; Indels 81; Gaps 11;
QY	92 TPAAGAP-----ELTAGVCLTPAARP-----HNSR-----GHRN 124
DB	15 TPTNGGPGSRPGSPEREVRKKEVVPATVPBETAPASVPONGSARRAAVAAPGPKR 74
QY	125 RRATGGEETEDVDLAPAPCLPGGRHS--CHDDNGMVRNTIOOCLDIADSPFTI 182
DB	75 KSNCLGTDEDSQSDGIPSPKRTGSLVDSRSHDLYTRKNI--ECIEL----- 123
QY	183 RKGTYTEVPMILSPKGNALAEKENKIVRGTYGYFYISQVLYYDPFPMAGHVIQRRKVH 242
DB	124 --GHRHKPW-----YFSPYDELTTLTPVLYLCEFCIK---- 154
QY	243 VFGDELSIVT--LRCIQNMPKTIENNNSCYSAIGARLEEGEGEIGLALPRENAQISN 297
DB	155 -YGRSLKCLORHLTKRDLRHP--FGNELYRKGTISFEID----GRKKYSQN 201

RESULT 9

TI60_MOUSE

ID	TI60_MOUSE	STANDARD;	PRF;	513 AA.
AC	Q8CHK4; Q8CGZ3; Q8CGZ4; Q8VIH0;			
DT	15-MAR-2004 (Rel. 43, Created)			
DT	15-MAR-2004 (Rel. 43, Last sequence update)			
DT	15-MAR-2004 (Rel. 43, Last annotation update)			
DE	Histone acetyltransferase HTATIP (EC 2.3.1.48) (60 kDa Tat interactive protein) (Tlps60).			
GN	HTATIP OR Tlps60.			
OS	Mus musculus (Mouse).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.			
OX	NCBI_Taxid=10090;			
NP	SEQUENCE FROM N.A. (ISOFORM 1), SUBCELLULAR LOCATION, AND TISSUE SPECIFICITY.			
RC	STRAIN=129/SvJ;			
RX	MEDLINE=22032968; PubMed=12036595;			
RA	McAllister D., Merlo X., Lough J.W.;			
RT	"Characterization and expression of the mouse tat interactive protein 60 kD (Tlps60) gene";			
RL	Gene 2891:169-176(2002).			
RN	[2]			
RP	SEQUENCE FROM N.A. (ISOFORM 3).			
RX	MEDLINE=22686535; PubMed=12801643;			

RA Legube G., Trouche D.:
 RT "Identification of a larger form of the histone acetyl transferase
 RT Tip60.";
 RL Gene 310:161-168(2003).
 RN [3]
 RP SEQUENCE FROM N.A. (ISOFORMS 1 AND 2).
 RC STRAIN=C57BL/6;
 RA Szendro P.I., Cadenas G., Eichele G.:
 RT "Cloning of mouse Tip60.";
 RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
 RN [4]
 RP SEQUENCE FROM N.A. (ISOFORM 4).
 RC STRAIN=W/WV;
 RA Daigo Y., Takayama I., Fujino M.A.:
 RT "Isolation and characterization of novel human and mouse genes, which
 RT are expressed in the digestive tract.";
 RL Submitted (FEB-2001) to the EMBL/GenBank/DBJ databases.
 CC -1- FUNCTION: Histone acetyltransferase that plays major roles DNA
 CC repair and apoptosis following double strand DNA breaks.
 CC Acetylation of histones gives a specific tag for epigenetic
 CC transcription activation (By similarity).
 CC -1- CATALYTIC ACTIVITY: Acetyl-CoA + histone = CoA + acetyl-histone.
 CC -1- SUBUNIT: Interacts with the cytoplasmic tail of APP. Interacts
 CC with PLAG4/CPLA2, EDNRB and HDAC7. Component of the Tip60
 CC complex, at least composed of HXTYR/Tip60, RVBUL/Tip49,
 CC RVBUL/Tip48 and TRRAP, which preferentially acetylates histone H4
 CC (and H2A) within nucleosomes (By similarity).
 CC -1- SUBCELLULAR LOCATION: Nuclear. Upon stimulation with EDN1, it is
 CC exported from the nucleus to the perinuclear region (By
 CC similarity).
 CC -1- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=4;
 CC Name=1;
 CC IsoId=Q8CHK4-1; Sequence=Displayed;
 CC Name=2;
 CC IsoId=Q8CHK4-2; Sequence=VSP_009107;
 CC Name=3;
 CC IsoId=Q8CHK4-3; Sequence=VSP_009106;
 CC Name=4;
 CC IsoId=Q8CHK4-4; Sequence=VSP_009105;
 CC Note=No experimental confirmation available;
 CC -1- TISSUE SPECIFICITY: Expressed in testis, heart, brain, kidney and
 CC liver. Weakly expressed in lung.
 CC -1- PTM: Phosphorylated on Ser-86 and Ser-90, enhanced during G2/M
 CC phase. Phosphorylated form has a higher activity (By similarity).
 CC -1- PTM: Ubiquitinated by MDM2, leading to its proteasome-dependent
 CC degradation (By similarity).
 CC -1- SIMILARITY: Belongs to the MIST (SAS/MOZ) family.
 CC -----
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 CC or_send_an_email_to_license@isb-sib.ch](http://www.isb-sib.ch/announce/or_send_an_email_to_license@isb-sib.ch)).
 CC -----
 CC EMBL, AY061983, AAL34981.1, -
 CC EMBL, AF528194, AAN77140.1, -
 CC EMBL, AF528195, AAN77141.1, -
 CC EMBL, AF528196, AAN77142.1, -
 CC EMBL, AB055409, BAC53807.1, -
 CC MED: MGI:1933051, Hratp.
 CC DR GO: GO:0005667, C:transcription factor complex, IDA.
 CC DR GO: GO:0005515, F:protein binding, IPI.
 CC DR GO: GO:0003713, F:transcription co-activator activity, IDA.
 CC DR GO: GO:0045449, P:regulation of transcription, IDA.
 CC DR InterPro: IPR000953, Chromo.
 CC DR InterPro: IPR002177, MOZ SAS.
 CC DR Pfam: PF01853, MOZ SAS; I.
 CC DR SMART: SMO0258, CHROMO.1.
 CC TR: Transcription regulation; Transferase; Activator; Nuclear protein;
 CC Zinc-finger; Phosphorylation; Ub1 conjugation; Alternative splicing.

FT	ZN_FING	261	283	C2HC-TYPE (POTENTIAL).
FT	MOD_RES	86	86	PHOSPHORYLATION (BY SIMILARITY).
FT	MOD_RES	90	90	PHOSPHORYLATION (BY CDC) (BY SIMILARITY).
FT	VARSPLIC	1	211	Missing (in isoform 4).
FT	VARSPLIC	4	4	/FtId=VSP_009105.
FT	VARSPLIC			V -> VSPVPGAGRREPGEVGRARGPVADPGVALSPQ (in isoform 3).
FT	VARSPLIC			/FtId=VSP_009106.
FT	VARSPLIC	96	147	Missing (in isoform 2).
FT	VARSPLIC			/FtId=VSP_009107.
FT	SEQUENCE	513 AA;	58598 MW;	EACEE4AD544C0DB60 CRC64;
SO	SEQUENCE	513 AA;	58598 MW;	EACEE4AD544C0DB60 CRC64;
Query Match	Best Local Similarity	6.7%;	Score 109;	DB 1; Length 513;
Matches	71; Conservative	23.0%;	Pred. No. 0.063;	Mismatches 100; Indels 110; Gaps 15;
OY	4	SATLPPPP	CLCFCEKGEKDMKVGVDPIITPQKEGAMRGICDGRLLAATLLALLSS	60
DB	102	SGKTLPPVQITLFFNLPKREALPGGEPOP		136
OY	61	SFTAMSYQALALQADLMNLMELMELSYSGASATPAAGAPETLAGVKLLTPAAPRPNNSSR		120
DB	137	S-----SCLOPNRSTRTAKKEV-SPTLP-----VPSHTA-----PASVFPQNSGA		176
OY	121	-----GHRNRPAFGPEETEDVDLSAPAPCLPGRHS-----QHDNGMNLNITQDC		170
DB	177	FRAVAAPGGRKXKNCICGTDEDSQSDSDGIPASARMGSLVSDRSHDIVRMKNI--EC		234
OY	171	LQLLADDTPIRKGYTFVFWPMLISFRGNALBEKENKIVRQGYEPIYSQVLYTDPITF		230
DB	235	IEL-----GHRRLKFW-----YSPYQELTLPVL		260
OY	231	AMGHVIORKVHVFGEDELISVT--LFRQIONMPKTLPPNNSCYSAGIARLEBDEIQLAIP		288
DB	261	YLCEFCUK-----YGRSLKCIQRLHLCQDRLHP--GNEIYTRKGTISFEID-----G		306
OY	289	RENACISRN	297	
DB	307	RKNKSYSON	315	
RESULT 10				
TNFA_PERLE		STANDARD;	PRT;	235 AA.
ID	TNFA_PERLE			
AC	P36939;			
DT	01-JUN-1994	(Rel. 29, Created)		
DT	01-JUN-1994	(Rel. 29, last sequence update)		
DT	10-OCT-2003	(Rel. 42, last annotation update)		
DE	Tumor necrosis factor precursor (TNF-alpha)	(Tumor necrosis factor ligand superfamily member 2) (TNF-a) (cachectin).		
GN	TNF OR TNFSF2 OR TNFA.			
OS	PeroMyscus leucopus (White-footed mouse).			
OC	Eukaryota; Metacoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Sigmodontinae;			
OC	PeroMyscus.			
OX	NCBI_TaxID=10041;			
EN	[1]			
EN	SEQUENCE FROM N.A.			
FX	MEDLINE=92218012; PubMed=1348497;			
RA	Crew M.D., Pilirowsky M.E.;			
RT	"Sequence of the tumor necrosis factor/cachectin (TNF) gene from			
RT	PeroMyscus leucopus (family Cricetidae)."			
RL	Immunogenetics 35:351-353(1992).			
CC	-I- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and			
CC	TNFRSF1B/TNFR. It is mainly secreted by macrophages and can			
CC	induce cell death of certain tumor cell lines. It is potent			
CC	pyrogen causing fever by direct action or by stimulation of			
CC	interleukin 1 secretion and is implicated in the induction of			
CC	cachexia. Under certain conditions it can stimulate cell			
CC	proliferation and induce cell differentiation.			
CC	-I- SUBUNIT: Homotrimer (by similarity).			
CC	-I- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an			

Matches 38; Conservative 28; Mismatches 47; Indels 21; Gaps 9;

QY 192 WILSFKRGNAL-----EKENKIIVROTYGFFIYSQVLY-----TDPIFAMGVHVRKKV 241
 Db 104 WL-NRANMLLNGVLRNOLVPESDGLVYSQVLFSGQCGPSTFTLTISIRIAY 161
 QY 242 HVEDELSVTLFR--CIQNP---KLP--NSCYSAGIARLEEGEIOIAT--PRENAOI 294
 Db 162 S-YQAKVNLISAIKSPCORETPRGAKTHPWYEPYIYGVFQLKGRDLSEISPPDSDL 220
 QY 295 SRNGDTEFFGALKL 308
 Db 221 AEGG-QVYFGIAL 233

RESULT 12
 TNFA TRIVU
 ID TNFA TRIVU STANDARD; PRT; 233 AA.

AC P79374;
 DT 15-JUL-1998 (Rel. 36, Created)
 DT 15-JUL-1998 (Rel. 36, Last sequence update)
 DT 10-OCT-2003 (Rel. 42, Last annotation update)
 DE Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor ligand superfamily member 2) (TNF-a) (Cachectin).
 GN TNF OR TNFSF2 OR TNFA.
 OS Trichosurus vulpecula (Brush-tailed possum).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Metatheria; Diprotodontia; Phalangeridae; Trichosurus.
 OX NCBI_Taxid=9337;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA MEDLINE=96315690; PubMed=8724002;
 RT Medlock D.N., Aldwell F.R., Buddle B.M.;
 RT "Molecular cloning and characterization of tumor necrosis factor alpha (TNF-alpha) from the Australian common brushtail possum, Trichosurus vulpecula."
 RL Immunol. Cell Biol. 74:151-158(1996).
 CC -1- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin 1 secretion and is implicated in the induction of cachexia, under certain conditions it can stimulate cell proliferation and induce cell differentiation (By similarity).
 CC -1- SUBUNIT: Homotrimer (By similarity).
 CC -1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an extracellular soluble form (By similarity).
 CC -1- PTM: The soluble form derives from the membrane form by proteolytic processing (By similarity).
 CC -1- PTM: The membrane form, but not the soluble form, is phosphorylated on serine residues. Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1 (By similarity).
 CC -1- SIMILARITY: Belongs to the tumor necrosis factor family.
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 CC EMBL; S83283; AAB49506.1; -
 CC HSPBL; AF016102; AAC48766.1; -
 DR HSPBL; P01375; 4TSV.
 DR InterPro; IPR006053; TNF_abg.
 DR InterPro; IPR006052; TNF_family.
 DR InterPro; IPR008983; TNF_like.
 DR InterPro; IPR003636; TNF_subf.
 DR Pfam; PF00229; TNF_1.
 DR PRINTS; PR01234; TNFCROSSISFCT.
 DR ProDom; PD002012; TNF_subf; 1.

DR SMART; SM00207; TNF; 1.
 DR PROSITE; PS00251; TNF_1; 1.
 DR PROSITE; PS00049; TNF_2; 1.
 KW Cytokine, Transmembrane; Signal-anchor; Phosphorylation.
 FT CHAIN 1 233
 FT CHAIN 278 233
 FT DOMAIN 1 233
 FT DOMAIN 278 233
 FT TRANSMEM 36 56
 FT FT
 FT DOMAIN 57 233
 FT SITE 77 78
 FT MOD_RES 2 2
 FT DISULFID 145 177
 FT FT
 SQ SEQUENCE 233 AA; 25704 MW; 56FDD9F46DC406E CRC64;

Query Match 6.5%; Score 106; DA 1; Length 233;
 Best Local Similarity 23.8%; Pred. No. 0.042;
 Matches 46; Conservative 34; Mismatches 83; Indels 30; Gaps 8;

QY 130 GPEETGQVDISAPAPCLPCCRHSQHDNGMNRNTIQDQLIADSDFTIRKGTTF 189
 Db 57 GPOKEOSTDTPFLMKELTQVRSLQNES-----AKVVAHLIADQ---LAEGQLW 104
 QY 190 VPMILSFKRGVALREKENKIIVROTYGFFIYSQVLYTDPIFAMGVHVRKKVHFGDELS 249
 Db 105 VGDVANTILNNGMELVDNOLVPESTGLVYISQVLYSGQCGKESLVTHKISR--TLS 162
 QY 250 L--VTFRCIQNPKTLPPNNS-----CYSAGIARLEEGE--IOLAIPRENAOIS 295
 Db 163 YQKVTLLANIRSSCRRAEDDEPSAWYEPYIYGVFQLTEGDKLVVDITNP--ENLDFA 221
 QY 296 RNSGDTFFGALKL 308
 Db 222 EPG-QLYFGIAL 233

RESULT 13

T160_HUMAN
 ID T160_HUMAN STANDARD; PRT; 513 AA.
 AC Q92993; O95624; Q13430; Q9BWK7;
 DT 15-JUL-1998 (Rel. 36, Created)
 DT 10-OCT-2003 (Rel. 42, Last sequence update)
 DT 15-MAR-2004 (Rel. 43, Last annotation update)
 DE Histone acetyltransferase HTRATIP (EC 2.3.1.48) (60 kDa Tat interactive protein) (Tip60) (HIV-1 Tat interactive protein) (cPLA2) interacting protein.
 GN HTRATIP OR TIP60.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
 OX NCBI_Taxid=9606;
 RN [1]
 RP SEQUENCE FROM N.A. (ISOFORM 1).
 RC TISSUE=Lymphoblast;
 RX MEDLINE=96182937; PubMed=8607265;
 RA Kamine J., Elangovan B., Subramanian T., Coleman D., Chinnadurai G.;
 RT "Identification of a cellular protein that specifically interacts with the essential cysteine region of the HIV-1 Tat transactivator."
 RL Virology 216:357-366(1996).
 RN [2]
 RP SEQUENCE FROM N.A. (ISOFORM 2), INTERACTION WITH PLA2G4A, AND SUBCELLULAR LOCATION.
 RC TISSUE=Fibroblast, and Placenta;
 RX MEDLINE=21309279; PubMed=11416127;
 RA Sheridan A.M., Force T., Yoon H.J., O'Leary E., Choukroun G., Taheri M.R., Bonventre J.V.;
 RT "Purp, a novel splice variant of Tip60, interacts with group IV cytosolic phospholipase A(2), induces apoptosis, and potentiates prostaglandin production."
 RL Mol. Cell. Biol. 21:4470-4481(2001).
 RN [3]
 RP SEQUENCE FROM N.A. (ISOFORM 3).

MEDLINE=22686535; PubMed=12801643;
 RA Legube G., Trousche D.;
 RT "Identification of a larger form of the histone acetyl transferase
 RT Tip60.";
 RL Gene 310:161-168(2003).
 RN [4]
 RP SEQUENCE FROM N.A. (ISOFORM 1).
 RA Rieder M.J., Livingston R.J., Daniels M.R., Montoya M.A., Chung M.-W.,
 RA Miyamoto K.E., Nguyen C.P., Nguyen D.A., Poel C.L., Robertson P.D.,
 RA Schackwitz W.S., Sherwood J.K., Wittrak L.A., Nickerson D.A.;
 RL Submitted (JAN-2003) to the EMBL/GenBank/DBJ databases.
 RN [5]
 RP SEQUENCE OF 5-513 FROM N.A. (ISOFORM 2).
 RA TISSUE=Cervix;
 RC MEDLINE=22388257; PubMed=12477932;
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
 RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo X.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Ustin T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullen S.J.,
 RA Bosak S.A., McMan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hultky S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Fahey U., Helton E., Kettlemen M., Madan A., Rodrigues S., Sanchez A.,
 RA Whitting M., Madan A., Young A.C., Shevchenko V., Bouffard G.G.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Rodigues A.C., Grimwood J., Schmutz J., Myers R.M.,
 RA Buterfield Y.S.N., Krzywinski M.I., Skalska U., Smalins D.E.,
 RA Scheraga A., Schein J.E., Jones S.J.M., Marra M.A.;
 RT "Generation and initial analysis of more than 15,000 full-length
 RT human and mouse cDNA sequences.";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RN [6]
 RP ENZYMACTIC ACTIVITY IN VITRO.
 RA MEDLINE=99195754; PubMed=10096020;
 RA Kimura A., Horikoshi M.;
 RT "Tip60 acetylates six lysines of a specific class in core histones in
 RT vitro.";
 RL Gene 313:789-800(1998).
 RN [7]
 RP IDENTIFICATION IN THE TIP60 HAT COMPLEX WITH TRRAP, RUVBL1 AND RUVBL2,
 RP AND FUNCTION OF THE COMPLEX.
 RA MEDLINE=20419232; PubMed=10966108;
 RA Ikura T., Ogryzko V.V., Grigoriev M., Groisman R., Wang J.,
 RA Horikoshi M., Scully R., Qin U., Nakatani Y.;
 RT "Involvement of the Tip60 histone acetylase complex in DNA repair and
 RT apoptosis.";
 RL Cell 102:463-473(2000).
 RN [8]
 RP INTERACTION WITH EDNR.
 RA MEDLINE=21264398; PubMed=11262386;
 RA Lee H.-U., Chun M., Kandror K.V.;
 RT "Tip60 and HDAC7 interact with the endothelin receptor a and may be
 RT involved in downstream signaling.";
 RL J. Biol. Chem. 276:16597-16600(2001).
 RN [9]
 RP SUBCELLULAR LOCATION, AND INTERACTION WITH HDAC7.
 RA MEDLINE=22538515; PubMed=12551922;
 RA Xiao H., Chung U., Kao H.-Y., Yang Y.-C.;
 RT "Tip60 is a co-repressor for STAT3.";
 RL J. Biol. Chem. 278:11197-11204(2003).
 RN [10]
 RP UBIQUITINATION.
 RA MEDLINE=21924701; PubMed=11927554;
 RA Legube G., Linates L.K., Lemercier C., Scheffner M., Knöchlin S.,
 RA Trousche D.;
 RT "Tip60 is targeted to proteasome-mediated degradation by Mdm2 and
 RT accumulates after UV irradiation.";
 RL EMBO J. 21:1704-1712(2002).
 RN [11]

RP PHOSPHORYLATION ON SER-86 AND SER-90, AND MUTAGENESIS OF SER-86;
 RP SER-90; LEU-254; LEU-257 AND GXY-388.
 RX MEDLINE=22464472; PubMed=12468530;
 RA Lemercier C., Legube G., Caron C., Louwaghe M., Garin J., Trousche D.,
 RA Knöchlin S.;
 RT "Tip60 acetyltransferase activity is controlled by phosphorylation.";
 RL J. Biol. Chem. 278:4713-4718(2003).
 RN [1]
 RP FUNCTION: Histone acetyltransferase that plays major roles DNA
 CC repair and apoptosis following double stranded DNA breaks
 CC Acetylation of histones gives a specific tag for epigenetic
 CC transcription activation. Binds to the TAT protein of the human
 CC immunodeficiency virus (HIV). Specific binding of Tip60 to TAT
 CC might be an important feature for efficient TAT transactivation of
 CC HIV gene expression.
 CC CATALYTIC ACTIVITY: Acetyl-CoA + histone = CoA + acetyl-histone.
 CC -1- SUBUNIT: Interacts with the cytoplasmic tail of APP (By
 CC similarity). Interacts with HIV TAT, PLK2G4A/CPLA2, EDNR and
 CC HDAC7. Component of the Tip60 HAT complex, at least composed of
 CC HTRATP/Tip60, RUVBL1/TIP49, RUVBL2/TIP48 and TRRAP, which
 CC preferentially acetylates histone H4 (and H2n) within nucleosomes.
 CC SUBCELLULAR LOCATION: Nuclear. Upon stimulation with EDN1, it is
 CC exported from the nucleus to the perinuclear region.
 CC -1- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=3;
 CC Name=1;
 CC IsoId=092993-1; Sequence=Displayed;
 CC Name=2; Synonyms=PLIP;
 CC IsoId=092993-2; Sequence=VSP_007438;
 CC Name=3;
 CC IsoId=092993-3; Sequence=VSP_009104;
 CC -1- PTM: Phosphorylated on Ser-86 and Ser-90; enhanced during G2/M
 CC phase. Phosphorylated form has a higher activity.
 CC -1- PTM: Ubiquitinated by MDM2, leading to its proteasome-dependent
 CC degradation.
 CC -1- SIMILARITY: Belongs to the MYST (SAS/MOZ) family.
 CC
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 CC
 CC EMBL: U74667; AAB18236.1; ALT INIT.
 CC EMBL: U40989; AAB02683.1; ALT INIT.
 CC EMBL: U67734; AAD00163.1; ALT INIT.
 CC EMBL: AY214165; AAC01130.1; ALT INIT.
 CC EMBL: BC000166; AAB00166.3; ALT INIT.
 CC GeneW: HGNC:5275; HTRATP.
 CC MIM: 601409; --
 CC GO:GO:0005634; C:nucleus; TAS.
 CC GO:GO:0003713; F:transcription co-activator activity; TAS.
 CC GO:GO:0006366; P:transcription from Pol II promoter; TAS.
 CC InterPro: IPR009533; Chromo.
 CC InterPro: IPR002717; MOZ_SAS.
 CC Pfam: PF01853; MOZ_SAS; I.
 CC SMART: SM00296; CHROMO; I.
 CC Transcription regulation; Transferase; Activator; Nuclear protein;
 CC Zinc-finger; Phosphorylation; Ub1 conjugation; Alternative splicing.
 CC C2HC-TYPE (POTENTIAL).
 CC MOD_RES 261 283
 CC MOD_RES 86 86
 CC MOD_RES 90 90
 CC VARSPLIC 4 4
 CC (in isoform 3).
 CC /Frid=VSP_009104.
 CC Missing (in isoform 2).
 CC /Frid=VSP_007438.
 CC S->A: REDUCES PHOSPHORYLATION. ABOLISHES
 CC PHOSPHORYLATION WHEN ASSOCIATED WITH
 CC A-90. REDUCES ACTIVITY
 CC S->A: REDUCES PHOSPHORYLATION. ABOLISHES
 CC PHOSPHORYLATION WHEN ASSOCIATED WITH

FT		A-86. REDUCED ACTIVITY.
FT	MUTAGEN	L->A: DOES NOT AFFECT PHOSPHORYLATION
FT		I->A: DOES NOT AFFECT PHOSPHORYLATION
FT	MUTAGEN	L->A: DOES NOT AFFECT PHOSPHORYLATION
FT		G->A: LOSS OF FUNCTION. DOES NOT AFFECT
FT	MUTAGEN	PHOSPHORYLATION. DOES NOT AFFECT
FT		G->R (IN REF. 1).
SO	CONFLICT SEQUENCE	382 513 AA; 58581 MM; 63724T5310B957DB CRC64;

Query Match	6.5%;	Score 106;	DB 1;	Length 513;
Best Local Similarity	22.7%;	Pred. No. 0.12;		
Matches 70;	Conservative 29;	Mismatches 100;	Indels 110;	Gaps 15

[illegible]

RESULT 14	TNFA_BOSIN	STANDARD:	PRT;	234 AA.
ID	TNFA_BOSIN			
AC	P596E4:			
DT	10-OCT-2003 (Rel. 42, Created)			
DT	10-OCT-2003 (Rel. 42, Last sequence update)			
DT	10-OCT-2003 (Rel. 42, Last annotation update)			
DE	Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor ligand superfamily member 2) (TNF-a) (Cachectin).			
DS	TNF OR TNFSF2 OR TNFA.			
OS	Bos indicus (zebu).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;			
OC	Bovidae; Bovinae; Bos.			
OX	NCBI_TaxId=9915;			
RN	(1)			
RP	SEQUENCE FROM N.A.			
RA	Bind R.B., Saini M., Walunj S.S., Gupta P.K.;			
RT	"Cloning and expression of tumor necrosis factor alpha (TNF-a) gene from Indian cattle."			
RL	Submitted (JAN-2003) to the EMBL/GenBank/DBS databases.			
CC	-1- FUNCTION: Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin 1 secretion and is implicated in the induction of cachexia, under certain conditions it can stimulate cell proliferation and induce cell differentiation (By similarity).			
CC	-1- SUBUNIT: Homotrimer (By similarity).			
CC	-1- SUBCELLULAR LOCATION: Type II membrane protein. Also exists as an extracellular soluble form (By similarity).			
CC	-1- PMW: The soluble form derives from the membrane form by proteolytic processing (By similarity).			
CC	-1- PMW: The membrane form, but not the soluble form, is			

CC phosphorylated on serine residues. Dephosphorylation of the
CC membrane form occurs by binding to soluble TNFRSF1A/TNFR1 (By
CC similarity)".
CC
CC -i- SIMILARITY: Belongs to the tumor necrosis factor family.
CC -----
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DR	EMBL; AY221122; AA062081.1; '-'.	
DR	InterPro; IPR006052; TNF_family.	
DR	InterPro; IPR008983; TNF_like.	
DR	InterPro; IPR009316; TNF_subf.	
DR	Pfam; PF00228; TNF_1.	
DR	ProDom; P002012; TNF_subf; 1.	
DR	SMART; SM00207; TNF_1.	
DR	ProSite; PS00251; TNF_1; 1.	
DR	ProSite; PS50049; TNF_2; 1.	
KW	Cytokine; Transmembrane; Signal-anchor; Phosphorylation.	
FT	CHAIN 1 234	TUMOR NECROSIS FACTOR, MEMBRANE FORM (BY SIMILARITY).
FT	CHAIN 78 234	TUMOR NECROSIS FACTOR, SOLUBLE FORM (BY SIMILARITY).
FT	DOMAIN 1 33	CYTOPLASMIC (POTENTIAL).
FT	TRANSMEM 34 56	SIGNAL-ANCHOR (TYPE-II MEMBRANE PROTEIN) (BY SIMILARITY).
FT	DOMAIN 57 234	EXTRACELLULAR (POTENTIAL).
FT	SITE 77 78	GLYCOSE (BY ADAVIT) (BY SIMILARITY).
FT	MOD_RES 2 178	PHOSPHORYLATION (BY CKI) (BY SIMILARITY).
FT	DISULFID 146 178	BY SIMILARITY.
QC	SEQUENCE 234 AA; 25567 MW; BAEDD0C3797F491 CRC64;	

Query Match	6.5%;	Score 105.5;	DB 1;	Length 234;
Best Local Similarity	20.9%;	Pred. No. 0.047;		
Matches 40;	Conservative 44;	Mismatches 82;	Indels 25;	Gaps 7;

QY 133 GPEETQDVTLSPAAPCLPCGRSHQHDNMNRNI10QCLQIADSDPTLRKGYTF 189
Db 57 GPQREBQSGPGINSPLVQTLTRSSQASSKKPAHV-----VADINSPQLRWDSY 109
QY 190 VEMLLSPKGNALKEKENKIIVRQTFYFYSQVLY-----TDPIAMGHV1QRKKVHV 243
Db 110 AANAIA-----NGVKLENDQVLPVPADGLYLIRYSQVLPFGQGPSPPLP-LNHTISRLAVS- 153
QY 244 FGDDELVLTFE--CIQMPKTLP---NNSCYAGIARLEEGDEIQIAPRENAQISR 297
Db 164 YQTKNIITSAISPCHRETPEMAEAKPWYEFYIGGAVOLEKCGRLSAEINLPDIYAE 223
QY 298 GDDTFGALKL 308
Db 224 SGQVYFGITALL 234

RESULT 15				
TNFA_CAPHI				
ID	TNFA_CAPHI	STANDARD;	PRT;	234 AA.
AC	P13296; Q28320; Q9MY22;			
DT	01-JAN-1990 (Rel. 13, Created)			
DT	28-FEB-2003 (Rel. 41, Last sequence update)			
DT	10-OCT-2003 (Rel. 42, Last annotation update)			
DE	Tumor necrosis factor precursor (TNF-alpha) (Tumor necrosis factor ligand superfamily member 2) (TNF-a) (Cachectin).			
GN	TNF OR TNFSF2 OR TNFA.			
OS	Capra hircus (Goat).			
OC	Eumariyota; Metacoata; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Metatheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;			
OC	Bovidae; Caprinae; Capra.			
OX	NCBI_TaxID=9925;			
PN	[1]			

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GenCore version 5.1.6
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CM protein - protein search, using sw model

Run on: August 25, 2004, 14:32:58, Search time 78.0303 seconds
(without alignments)
1249.452 Million cell updates/sec

Title: US-09-911-777b-2
Perfect score: 1624
Sequence: 1 MDESAKTLPPCLCFCEKSGK.....ENAGISRGDDPTFGALKL 309

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1017041 seqs, 315518202 residues

Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

SPREMBL_25.*
1: sp_archaea.*
2: sp_bacteria.*
3: sp_fungi.*
4: sp_human.*
5: sp_invertebrate.*
6: sp_mammal.*
7: sp_mhc.*
8: sp_organelle.*
9: sp_phase.*
10: sp_plant.*
11: sp_rodent.*
12: sp_virus.*
13: sp_vertebrate.*
14: sp_unclassified.*
15: sp_virus.*
16: sp_bacteriophage.*
17: sp_archaeap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1500.5	92.4	290	11	Q7Q58
2	1337	82.3	258	11	Q8BZM8
3	979	60.3	199	11	Q8BWP2
4	978	60.2	194	11	Q8BVA3
5	818.5	50.4	266	4	Q725J2
6	778.5	47.9	208	4	Q81Z16
7	720.5	44.4	174	4	Q81Z15
8	687.5	42.3	158	4	Q81Z14
9	600.5	37.0	146	11	Q8BWS2
10	237	14.6	410	11	Q8BWS2
11	235.5	14.5	250	4	Q8BWS2
12	210	12.9	330	4	Q8BWS2
13	124.5	7.7	282	13	Q8BWS2
14	110.5	6.8	461	11	Q8BWS2
15	109.5	6.7	392	11	Q8BWS2
16	109	6.7	513	11	Q8BWS2

17	108	6.7	251	5	Q8BWS2	Q8BWS2
18	108	6.7	325	5	Q8BWS2	Q8BWS2
19	108	6.7	409	5	Q8BWS2	Q8BWS2
20	108	6.7	409	5	Q8BWS2	Q8BWS2
21	108	6.7	415	5	Q8BWS2	Q8BWS2
22	107	6.6	102	11	Q8BWS2	Q8BWS2
23	103	6.3	232	103	Q8BWS2	Q8BWS2
24	102.5	6.3	81	11	Q8BWS2	Q8BWS2
25	102	6.3	386	11	Q8BWS2	Q8BWS2
26	101.5	6.2	471	10	Q8BWS2	Q8BWS2
27	101.5	6.2	471	10	Q8BWS2	Q8BWS2
28	100.5	6.2	217	6	Q8BWS2	Q8BWS2
29	100	6.2	217	11	Q8BWS2	Q8BWS2
30	98.5	6.1	149	6	Q8BWS2	Q8BWS2
31	98.5	6.1	149	6	Q8BWS2	Q8BWS2
32	98	6.0	2948	4	Q8BWS2	Q8BWS2
33	97	6.0	216	6	Q8BWS2	Q8BWS2
34	96.5	5.9	138	6	Q8BWS2	Q8BWS2
35	96.5	5.9	426	16	Q8BWS2	Q8BWS2
36	96	5.9	156	11	Q8BWS2	Q8BWS2
37	96	5.9	255	13	Q8BWS2	Q8BWS2
38	95.5	5.9	149	6	Q8BWS2	Q8BWS2
39	95.5	5.9	217	6	Q8BWS2	Q8BWS2
40	95	5.8	287	11	Q8BWS2	Q8BWS2
41	95	5.8	369	16	Q8BWS2	Q8BWS2
42	93.5	5.8	216	6	Q8BWS2	Q8BWS2
43	93.5	5.8	253	13	Q8BWS2	Q8BWS2
44	93	5.7	255	13	Q8BWS2	Q8BWS2
45	92.5	5.7	216	6	Q8BWS2	Q8BWS2

ALIGNMENTS

RESULT 1

ID	Q7Q58	PRELIMINARY	PRT	290 AA.
AC	Q7Q58	01-OCT-2003 (TREMBLrel. 25, Created)		
DR	01-OCT-2003 (TREMBLrel. 25, Last sequence update)			
DT	01-OCT-2003 (TREMBLrel. 25, Last annotation update)			
DE	Delta BARF.			
OS	Mus musculus (Mouse).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
CC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.			
OX	NCBI_Taxid=10090;			
RN	[1]			
RC	SEQUENCE FROM N.A.			
RP	STRAIN-BALB/c.			
RA	Gavin A.L., Alt-Azouzene D., Ware C.F., Nemazee D.,			
RT	"Delta BARF, an isoform of BARF, regulates BARF function."			
RL	Submitted (May-2003) to the EMBL/GenBank/DBJ databases.			
DR	EMBL; AY290823; AAF82036.1; -			
SQ	SEQUENCE 290 AA; 32165 MW; BC289F9FF8187C9C CRC64;			

Query Match	Score	1500.5	DB 11	Length	290;
Best Local Similarity	92.4%				
Matches	289				
Conservative	0				
Mismatches	1				
Indels	19				
Gaps	1				
QY	1	MDESAKTLPPCLCFCEKSGEDMKVGYDPTLPQREBAGWFGICRGRLLATLALLSS	60		
DB	1	MDESAKTLPPCLCFCEKSGEDMKVGYDPTLPQREBAGWFGICRGRLLATLALLSS	60		
QY	61	SFTAVSLYQLAALQADLMNLMELQSTRGSGATPAAAGAPETITAGVKKLTPAARPHNSR	120		
DB	61	SFTAVSLYQLAALQADLMNLMELQSTRGSGATPAAAGAPETITAGVKKLTPAARPHNSR	120		
QY	121	GHRNRRAQGEETEEQVDLSAPAPAPCPGCRHSQHDNGNMLNITIDCQLIADSDTP	180		
DB	121	GHRNRRAQGEETEEQVDLSAPAPAPCPGCRHSQHDNGNMLNITIDCQLIADSDTP	180		
QY	181	TIRKGTITFVFWLISFRGNALKEKENKIVVROTGTFFIYSQVLYTDPITAMGHVIOKK	240		

Db 166 ----RITTFVPMWLSFRGNALBKEKNIIVRQTFYFISQVLYTDPFAMGHVQRK 221
 QY 241 VHVFGDELSTVTLFRCIQNMKTLPPNNSCYSAGIARLEBDEIQLAIPRENAQISNGD 300
 Db 222 VHVFGDELSTVTLFRCIQNMKTLPPNNSCYSAGIARLEBDEIQLAIPRENAQISNGD 291
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 2

Q8BZM6 PRELIMINARY; PRT; 258 AA.
 ID Q8BZM6
 AC Q8BZM6; 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Tumor necrosis factor (Fragment).
 GN TNFSF13B.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Dienecephalon;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs."
 RL Nature 420:563-573(2002).
 DR EMBL; AK034121; BAC28593.1; -
 DR MGD; MGI:1344376; Tnfsl13b.
 DR GO; GO:0016020; C:membrane; IEA.
 DR GO; GO:0005164; F:tumor necrosis factor receptor binding; IEA.
 DR GO; GO:0006955; P:immune response; IEA.
 DR InterPro; IPR006052; TNF family.
 DR InterPro; IPR008983; TNF-like.
 DR PROSITE; PSS0049; TNF_2; 1.
 FT NON-ITER
 SQ SEQUENCE 258 AA; 28604 MW; E6431FE93E782810 CRC64;

Query Match 82.3%; Score 1337; DB 11; Length 258;
 Best Local Similarity 100.0%; Pred. No. 3.9e-122;
 Matches 258; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 TLLALSSFTAMSLYQLAALQADIMLRMELQSYRGSATPAAGAPPLTAGVKLTTPA 111
 Db 1 TLLALSSFTAMSLYQLAALQADIMLRMELQSYRGSATPAAGAPPLTAGVKLTTPA 60
 QY 112 APPHNSSRGHRRRAFOGPEETEODVDLSAPPAPCLPCGRSHOHNDGNNLRNIIDQL 171
 Db 61 APPHNSSRGHRRRAFOGPEETEODVDLSAPPAPCLPCGRSHOHNDGNNLRNIIDQL 120
 QY 172 QLIADSDPTIRKGYTFVPMWLSFRGNALBKEKNIIVRQTFYFISQVLYTDPFAM 231
 Db 121 QLIADSDPTIRKGYTFVPMWLSFRGNALBKEKNIIVRQTFYFISQVLYTDPFAM 180
 QY 232 MGVHIOKKVHVFGDELSTVTLFRCIQNMKTLPPNNSCYSAGIARLEBDEIQLAIPRE 291
 Db 181 MGVHIOKKVHVFGDELSTVTLFRCIQNMKTLPPNNSCYSAGIARLEBDEIQLAIPRE 240
 QY 292 AQISRGDDTFFGALKL 309
 Db 241 AQISRGDDTFFGALKL 258

RESULT 3
 Q8BWP2 PRELIMINARY; PRT; 199 AA.
 ID Q8BWP2

AC Q8BWP2; 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Tumor necrosis factor.
 GN TNFSF13B.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Liver;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs."
 RL Nature 420:563-573(2002).
 DR EMBL; AK050384; BAC34225.1; -
 DR MGD; MGI:1344376; Tnfsl13b.
 SQ SEQUENCE 199 AA; 21654 MW; 39392021D4EPD320 CRC64;

Query Match 60.3%; Score 979; DB 11; Length 199;
 Best Local Similarity 99.5%; Pred. No. 2.5e-87;
 Matches 185; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPCLCFCEKSGEDMVGYPITTPQEEBAMGICRDGLLATLALLSS 60
 Db 1 MDESAKTLPPCLCFCEKSGEDMVGYPITTPQEEBAMGICRDGLLATLALLSS 60
 QY 61 SFTAMSLYQLAALQADIMLRMELQSYRGSATPAAGAPPLTAGVKLTTPAAPPNNSR 120
 Db 61 SFTAMSLYQLAALQADIMLRMELQSYRGSATPAAGAPPLTAGVKLTTPAAPPNNSR 120
 QY 121 GHNRRAFOGPEETEODVDLSAPPAPCLPCGRSHOHNDGNNLRNIIDQLIADSDTP 180
 Db 121 GHNRRAFOGPEETEODVDLSAPPAPCLPCGRSHOHNDGNNLRNIIDQLIADSDTP 180
 QY 181 TIRKGT 186
 Db 181 TIRKGS 186

RESULT 4

Q8BVA3 PRELIMINARY; PRT; 194 AA.
 ID Q8BVA3

AC Q8BVA3; 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)
 DE Tumor necrosis factor.
 GN TNFSF13B.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Urinary bladder;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA the RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs."
 RL Nature 420:563-573(2002).
 DR EMBL; AK079180; BAC37571.1; -
 DR MGD; MGI:1344376; Tnfsl13b.
 SQ SEQUENCE 194 AA; 20961 MW; 85FCF3495B138377 CRC64;

Query Match 60.2%; Score 978; DB 11; Length 194;
 Best Local Similarity 100.0%; Pred. No. 3e-87;
 Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MDESATLPPCLCFCEKEDMKVGYDPTPOKEGAMFGICRDBLLAATLLALLS 60
DB 1 MDESATLPPCLCFCEKEDMKVGYDPTPOKEGAMFGICRDBLLAATLLALLS 60
QY 61 SFTMSLYQLAALQADLNLMELQSYGSAIPAAAGAPBELTAGVKLTTPAAPPHNSR 120
DB 61 SFTMSLYQLAALQADLNLMELQSYGSAIPAAAGAPBELTAGVKLTTPAAPPHNSR 120
QY 121 GHRNRRAFQGEPEETQDVLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSPTP 180
DB 121 GHRNRRAFQGEPEETQDVLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSPTP 180
QY 181 TIRKG 185
DB 181 TIRKG 185

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RESULT 5

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Q725J2 PRELIMINARY; PRT; 266 AA.
ID 0725J2
AC 0725J2;
DT 01-OCT-2003 (TREMBlrel. 25, Created)
DT 01-OCT-2003 (TREMBlrel. 25, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE Delta BAF.
GN TNFSF13B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Gavin A.L., Alt-Azouzene D., Ware C.F., Nemaee D.;
RT "Immunobiology of Delta BAF."
RL Submitted (May-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY302751; AAP8164.1; -.
SQ SEQUENCE 266 AA; 29137 MW; 6BD06F9061152C6 CRC64;

```

Query Match 50.4%; Score 818.5; DB 4; Length 266;

Best Local Similarity 55.7%; Pred. No. 1.8e-71; Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;

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QY 1 MDESATLPPCLCFCEKEDMKV-GYDPTPOKEGAMFGICRDBLLAATLLALLS 59
DB 1 MDSATLPPCLCFCEKEDMKV-GYDPTPOKEGAMFGICRDBLLAATLLALLS 58
QY 60 SFTMSLYQLAALQADLNLMELQSYGSAIPAAAGAPBELTAGVKLTTPA 111
DB 59 SFTMSLYQLAALQADLNLMELQSYGSAIPAAAGAPBELTAGVKLTTPA 118
QY 112 APRPHNSRSGHRNRRAFQGEPEETQDVLSAPAPCLPGCRHSQHDNGMNLNIIQDCL 171
DB 112 APRPHNSRSGHRNRRAFQGEPEETQDVLSAPAPCLPGCRHSQHDNGMNLNIIQDCL 171
QY 119 AAGEBNSQNSNKAAGVQPEET----- 141
DB 119 AAGEBNSQNSNKAAGVQPEET----- 141
QY 172 QLIADSPPTIRKGYTFVPMILSRGNALKEENKIVROGYFFIYSQVLYDPTIFA 231
DB 172 QLIADSPPTIRKGYTFVPMILSRGNALKEENKIVROGYFFIYSQVLYDPTIFA 231
QY 232 MGHVIOKKVHVGDELSTVTLFRCLQNNPKTLPPNNSCSAGIALLEGDELOLAIPREN 291
DB 232 MGHVIOKKVHVGDELSTVTLFRCLQNNPKTLPPNNSCSAGIALLEGDELOLAIPREN 291
QY 292 AOISRNDDTFFGALKL 309
DB 292 AOISRNDDTFFGALKL 309
QY 249 AOISLDGVTFFGALKL 266
DB 249 AOISLDGVTFFGALKL 266

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RESULT 6

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Q81Z16 PRELIMINARY; PRT; 208 AA.
ID 081Z16
AC 081Z16;
DT 01-MAR-2003 (TREMBlrel. 23, Created)

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DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE B-lymphocyte stimulator (Fragment).
GN TNFSF13B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Gao H., He F., Li R.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY129226; AAN08422.1; -.
DR GO; GO:0016020; C:membrane; IEA.
DR GO; GO:0005164; P:tumor necrosis factor receptor binding; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR006052; TNF family.
DR InterPro; IPR008983; TNF-like.
DR PROSITE; PS50049; TNF_2; 1.
FT NON TER 1
SQ SEQUENCE 208 AA; 22767 MW; EBA31D227033AA53 CRC64;

```

Query Match 47.9%; Score 778.5; DB 4; Length 208;

Best Local Similarity 64.4%; Pred. No. 1e-67; Matches 154; Conservative 22; Mismatches 24; Indels 39; Gaps 2;

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QY 79 NLNMELOSYSYGSATPAAAGAPF-----LTAGVKLTTPAAPRPNSSRGHRNRRAFQ 130
DB 1 SLRAELQGHAEKLPAGAGAPKAGLEAPAVTGLKIFEPAPAGNSQNSNKAAGVQ 60
QY 131 PEETQDVLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSPPTIRKGYTFV 190
DB 61 PEET-----VTQDCLQIADSPPTIRKGYTFV 89
QY 191 PWLSFRGNALKEENKIVROGYFFIYSQVLYDPTFAMGHVIOKKVHVGDELST 250
DB 90 PWLSFRGNALKEENKIVROGYFFIYSQVLYDPTFAMGHVIOKKVHVGDELST 149
QY 251 VTLFRCLQNNPKTLPPNNSCSAGIALLEGDELOLAIPRENAOISRNDDTFFGALKL 309
DB 150 VTLFRCLQNNPKTLPPNNSCSAGIALLEGDELOLAIPRENAOISLDGVTFFGALKL 208

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RESULT 7

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Q81Z15 PRELIMINARY; PRT; 174 AA.
ID 081Z15
AC 081Z15;
DT 01-MAR-2003 (TREMBlrel. 23, Created)
DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE B-lymphocyte stimulator (Fragment).
GN TNFSF13B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA He F., Gao H., Li R.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY129227; AAN08423.1; -.
DR GO; GO:0016020; C:membrane; IEA.
DR GO; GO:0005164; P:tumor necrosis factor receptor binding; IEA.
DR GO; GO:0006955; P:immune response; IEA.
DR InterPro; IPR006052; TNF family.
DR InterPro; IPR008983; TNF-like.
DR PROSITE; PS50049; TNF_2; 1.
FT NON TER 1
SQ SEQUENCE 174 AA; 19479 MW; 1AEBD4F2862B3E0 CRC64;

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Query Match 44.4%; Score 720.5; DB 4; Length 174;

Best Local Similarity 68.3%; Pred. No. 3.7e-62; Matches 140; Conservative 18; Mismatches 16; Indels 31; Gaps 1;

QY 105 VKLTPAPRPHNSSGHNRRAFGQPEETEQVDLSAPPAPCLPGCRHSQHDNGMNR 164
 DB 1 LKIFEPAPGEGNSQNSRKRRAVQGPPEET----- 30
 QY 165 NIIDDCQLIADSDPTIRKGTTFVPMILSPKRGNALEKENVIVROTGFYISQVL 224
 DB 31 -VTQDCQLIADSETPIQKSTYTFVPMILSPKRGSALEKENVIVKGTGFFIYQVL 89
 QY 225 YTDPIFAMGHVIRKKVHVGDELSTVTLFRCIQNMPTLPPNNSCYSAGIARLEGGDEIQ 284
 DB 90 YTDKTYAMGHVIRKKVHVGDELSTVTLFRCIQNMPTLPPNNSCYSAGIARLEGGDEIQ 149
 QY 285 LATPRENAQISRNQDDTFEGALKL 309
 DB 150 LTLPRENAQISLDGDVTFEGALKL 174

RESULT 8
 Q81214 PRELIMINARY; PRT; 158 AA.
 AC Q81214; 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE B-lymphocyte stimulator (Fragment).
 GN TNFSF13B.
 OS Homo sapiens (human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RA SEQUENCE FROM N.A.
 RA He F., Gao H., Li R.;
 RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
 RL EMBL: AY129228; AAC06424.1;
 DB GO: 0016020; C:membrane; IEA.
 DR GO: 0005164; F:tumor necrosis factor receptor binding; IEA.
 DR GO: 0006955; P:immune response; IEA.
 DR InterPro: IPR006052; TNF family.
 DR InterPro: IPR008983; TNF-like.
 DR PROSITE: PSS0049; TNF_2; 1.
 FT NON_TER 1
 SQ SEQUENCE 158 AA; 17826 MW; 8346BC0D333DCAB CRC64;

Query Match 42.3%; Score 687.5; DB 4; Length 158;
 Best Local Similarity 71.1%; Pred. No. 5.4e-59;
 Matches 133; Conservative 15; Mismatches 8; Indels 31; Gaps 1;

QY 123 RNRRAFGQPEETEQVDLSAPPAPCLPGCRHSQHDNGMNRNIIDDCQLIADSDPTI 182
 DB 3 RNRRAVQGPPEET-----VTQDCQLIADSETPTI 31
 QY 183 RKGTTFVPMILSPKRGNALEKENVIVROTGFYISQVLTPFIAMGHVIRKKVH 242
 DB 32 QKSTYTFVPMILSPKRGSALEKENVIVKGTGFFIYQVLTDTKTYAMGHVIRKKVH 91
 QY 243 VFGEDELSTVTLFRCIQNMPTLPPNNSCYSAGIARLEGGDEIQLATPRENAQISRNQDDTF 302
 DB 92 VFGEDELSTVTLFRCIQNMPTLPPNNSCYSAGIARLEGGDEQLTLPRENAQISLDGDVTF 151
 QY 303 FGALKL 309
 DB 152 FGALKL 158

RESULT 9
 Q8JHJ4 PRELIMINARY; PRT; 268 AA.
 AC Q8JHJ4; 01-OCT-2002 (TREMBlrel. 22, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)

DE TNF family B cell activation factor.
 GN BAFF.
 OS Gallus gallus (chicken).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
 OC Gallus.
 OX NCBI_TaxID=9031;
 RN [1]
 RA SEQUENCE FROM N.A.
 RA Schneider K., Koltow S., Schneider P., Goebel T., Kaspers B.,
 RA Steheli P.;
 RT "A chicken homolog of the B cell activating factor of the TNF family
 (BAFF)."
 RL Submitted (OCT-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF506010; AA090951.2;
 DR GO: 0016020; C:membrane; IEA.
 DR GO: 0005164; F:tumor necrosis factor receptor binding; IEA.
 DR GO: 0006955; P:immune response; IEA.
 DR InterPro: IPR006052; TNF family.
 DR InterPro: IPR008983; TNF-like.
 DR PROSITE: PSS0049; TNF_2; 1.
 SQ SEQUENCE 268 AA; 31629 MW; 8E2F291D2495B79 CRC64;

Query Match 37.0%; Score 600.5; DB 13; Length 288;
 Best Local Similarity 48.0%; Pred. No. 3.6e-50;
 Matches 135; Conservative 29; Mismatches 60; Indels 57; Gaps 5;

QY 54 LVALSSFTAMSLYQLAALQADLMRLMELQSYRGA-----TPAAGAPETLAGVK-106
 DB 40 LAMLSCLAAVSLYHATLTKELEALRSEL-IRVRAAPLPLOPPSPDKKAGASVSS 98
 QY 107 -LITPAPRPHNSRG-----HNRRAFGQPEETEQVDLSAPPAPCL 148
 DB 99 FLQVSAAGARQENLPSPSPAESFQTEIWDNRNRGRRSIVNAET----- 144
 QY 149 PGCRHSQHDNGMNRNIIDDCQLIADSDPTIRKGTTFVPMILSPKRGNALEKENV 208
 DB 145 -----VLQACQLIADSKSDIQQKDDSIIVMLSPKRGTLLEGQNK 187
 QY 209 IVKGTGFFIYQVLTDTTPFAMGHVIRKKVHVGDELSTVTLFRCIQNMPTLPPNNS 268
 DB 188 IVKGTGFFIYQVLTDTTPFAMGHVIRKKVHVGDELSTVTLFRCIQNMPTLPPNNS 247
 QY 269 CYSAGIARLEGGDEIQLATPRENAQISRNQDDTFEGALKL 309
 DB 248 CYTAGIARLEGGDEQLTLPRRAKISLDGDGTFEGALKL 288

RESULT 10
 Q8BX52 PRELIMINARY; PRT; 410 AA.
 AC Q8BX52; 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Tumor necrosis factor.
 OS Mus musculus (mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RA SEQUENCE FROM N.A.
 RA STRAIN=C57BL/6J; TISSUE=Retina;
 RX MEDLINE=22354683; PubMed=12466851;
 RA The FANTOM Consortium,
 RA The RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 RL Nature 420:563-573 (2002)."
 DR EMBL: AK044387; BA031897.1; -
 DR PIR: P70714; P70714.
 DR GO: 0016020; C:membrane; IEA.
 DR GO: 0005164; F:tumor necrosis factor receptor binding; IEA.

OS Gallus gallus (Chicken).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
 OC Gallus.
 OX NCBI_TaxID=9031;
 RN [1]
 RA SEQUENCE FROM N.A.
 RA McDonald C.L., Lough J.W.,
 RT "Histone acetyltransferase CMYST";
 RL Submitted (SEP-2000) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF305883; C:chromatin; IEA.
 DR GO; GO:000785; C:chromatin; IEA.
 DR GO; GO:0005634; C:nucleus; IEA.
 DR GO; GO:0003682; P:chromatin binding; IEA.
 DR GO; GO:0016740; P:transferase activity; IEA.
 DR GO; GO:0006333; P:chromatin assembly/disassembly; IEA.
 DR InterPro; IPR000953; Chromo.
 DR InterPro; IPR002717; MOZ_SAS.
 DR Pfam; PF01853; MOZ_SAS; 1.
 DR SMART; SM00298; CHROMO; 1.
 KW Transferase.
 KM NON_TER
 SQ SEQUENCE 282 AA; 32046 MW; BFEDF610C2A8C99 CRC64;
 Query Match 7.7%; Score 124.5; DB 13; Length 282;
 Best Local Similarity 22.8%; Pred. No. 0.0011;
 Matches 59; Conservative 29; Mismatches 74; Indels 97; Gaps 12;
 QY 81 RMELOSRYG-----SATPAAAGAP-----ELTAGVKLLTPAARP----- 115
 DB 62 RLDIQVQGPKEKPTKNGLPGRSPERPKRKEVSPATVPATETQSASVFP 121
 QY 116 -HNSSR-----GHNRRFAFGPEETEDVDLSAPPAPCLPGCRHS--QHDDNGMLNLTN 165
 DB 122 QNSARRAVAAOPGRKRKACLTGDDSDSGASAPRMGSLVSDSHDITVRMKN 181
 QY 166 IIDCQLIADSDPTIRKGYTFVPWLISFKGNALKEKENKIVRGTYGFFIYSQVLY 225
 DB 182 I--ECIEL-----GRHLKPM-----YSPYPOELT 205
 QY 226 TDPIFAM-----GHVIQKKYHVFGEDELSLVT--LFRICNMPTLPNNSCSAGIARLE 278
 DB 206 ALPVLVLCFECLKYKSLKCLQHP-----LTKCDLRHP--FGNEIYRKGTISFP 252
 QY 279 EGDGIQIATPRENAQISRN 297
 DB 253 EID-----GRKKYSYSON 265
 RESULT 14
 ID 08CGZ3 PRELIMINARY; PRT; 461 AA.
 AC 08CGZ3;
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE 1at-Interactive 60 kDa protein beta isoform.
 GN HTATIP.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RA SEQUENCE FROM N.A.
 RA Szendroi P.I., Cadenas C., Eichele G.,
 RT "Cloning of mouse Tip60";
 RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF528196; AAN7742.1; -
 DR MGD; MGI11932051; Htatip.
 DR GO; GO:0005667; C:transcription factor complex; IDA.
 DR GO; GO:0005515; P:protein binding; IPI.
 DR GO; GO:0003713; P:transcription co-activator activity; IDA.

DR GO; GO:0045449; P:regulation of transcription; IDA.
 DR InterPro; IPR000953; Chromo.
 DR InterPro; IPR002717; MOZ_SAS.
 DR Pfam; PF01853; MOZ_SAS; 1.
 DR SMART; SM00298; CHROMO; 1.
 SQ SEQUENCE 461 AA; 53092 MW; D3B238AF01737E83 CRC64;
 Query Match 6.8%; Score 110.5; DB 11; Length 461;
 Best Local Similarity 22.2%; Pred. No. 0.052;
 Matches 56; Conservative 30; Mismatches 81; Indels 85; Gaps 12;
 QY 81 RMELOSRY-----RGSATPAAAGAP-----ELTAGVKLLTPAARP-----H 116
 DB 62 RLDIQVQGPKEKPTKNGLPGRSPERPKRKEVSPATVPATETQSASVFPQ 121
 QY 117 NSSR-----GHNRRFAFGPEETEDVDLSAPPAPCLPGCRHS--QHDDNGMLNLTN 167
 DB 122 GSARRAVAAOPGRKRKNCIGTDESDSGIPSAAPRMGSLVSDSHDITVRMKN 180
 QY 168 QDCQLIADSDPTIRKGYTFVPWLISFKGNALKEKENKIVRGTYGFFIYSQVLYTD 227
 DB 181 -ECIEL-----GRHLKPM-----YSPYPOELTTL 205
 QY 228 PIFAMGHVIQKKYHVFGEDELSLVT--LFRICNMPTLPNNSCSAGIARLEEGEIQ 285
 DB 206 PVLVLCFECLK-----YGRSLKCLQHP--FGNEIYRKGTISFEID---- 253
 QY 286 AIPRENAQISRN 297
 DB 254 --GRKKYSYSON 263
 RESULT 15
 ID 099MK2 PRELIMINARY; PRT; 392 AA.
 AC 099MK2;
 DT 01-JUN-2001 (TREMBlrel. 17, Created)
 DT 01-JUN-2001 (TREMBlrel. 17, Last sequence update)
 DT 01-OCT-2001 (TREMBlrel. 18, Last annotation update)
 DE TIP60B (Fragment).
 GN Rattus norvegicus (Rat).
 OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
 OX NCBI_TaxID=10116;
 RN [1]
 RA SEQUENCE FROM N.A.
 RA Cao X., Sudhof T.C.,
 RT "Nuclear signaling of APP cytoplasmic tail";
 RL Submitted (JAN-2001) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF333984; AAK20836.1; -
 DR InterPro; IPR002717; MOZ_SAS.
 DR Pfam; PF01853; MOZ_SAS; 1.
 DR NON_TER
 DR NON_TER
 FT NON_TER
 SQ SEQUENCE 392 AA; 44738 MW; B4167602016788A9 CRC64;
 Query Match 6.7%; Score 109.5; DB 11; Length 392;
 Best Local Similarity 22.8%; Pred. No. 0.052;
 Matches 54; Conservative 25; Mismatches 77; Indels 81; Gaps 11;
 QY 92 TPAAGAP-----ELTAGVKLLTPAARP-----HNSSR-----GHRN 124
 DB 15 TPTKNGLPGRSPERPKRKEVSPATVPATETQSASVFPQNSARRAVAAOPGRKR 74
 QY 125 RRAFQPEETEDVDLSAPPAPCLPGCRHS--QHDDNGMLNLTN IIDCQLIADSDPTIT 162
 DB 75 KSNCLGTDESDSGIPSAAPRMGSLVSDSHDITVRMKN--ECIEL----- 123
 QY 183 RKGYTFVPWLISFKGNALKEKENKIVRGTYGFFIYSQVLYTDPFIAMGHVIQKKYH 242
 DB 124 --GRHLKPM-----YSPYPOELTTL PVLVLCFECLK----- 154

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Qy 243 VFDELSVT--LFRCIOMPKTLPNNSCYSAGIARLEGEDEIQLAIPRENOISN 297
Db 155 -YGRSLKCIQRHILTKCDLRHP--PONEIYKGTISFFELID-----GRKNSYSON 201

Search completed: August 25, 2004, 14:42:20
Job time : 81.0303 secs

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CC interaction. Modulators are useful for immunotherapy, particularly, in
 CC treating inflammation, autoimmune disease, other diseases associated with
 CC activation of transcription factor NF-kappa-B (e.g. rheumatoid arthritis,
 CC neuronal inflammation, asthma), cancers, infections (e.g. septic shock),
 CC ortherosclerosis. The D7 gene is useful in gene therapy, and may be
 CC employed for producing the protein by recombinant techniques. D7
 CC antibodies are useful for locating the protein in a tissue, or for
 CC purifying the protein

XX
 SQ Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 3; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3.2e-165;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICDRGLAATLLALLSS 60
 DB 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICDRGLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPPHNSR 120
 DB 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPPHNSR 120
 QY 121 GHRNRRAFGPBEETEDVDLSAPPAPCLPGCRHSQHDNGMNLNTIQCLOLIADSDTP 180
 DB 121 GHRNRRAFGPBEETEDVDLSAPPAPCLPGCRHSQHDNGMNLNTIQCLOLIADSDTP 180
 QY 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIOQRK 240
 DB 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIOQRK 240
 QY 241 VHVFDLSLVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 DB 241 VHVFDLSLVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 QY 301 TFFGALKL 309
 DB 301 TFFGALKL 309

RESULT 2
 AAU79147
 ID AAU79147 standard; protein, 309 AA.

XX AAU79147;
 AC
 XX
 DT 02-JUL-2002 (first entry)
 XX
 DE Mouse Neutrokin-alpha-like protein fragment #1.
 XX
 KW Mouse; Neutrokin-alpha-like; antibody; immunogen; B-cell cancer;
 KW autoimmune disease; Sjogren's syndrome; systemic lupus erythematosus;
 KW rheumatoid arthritis; chronic lymphocytic leukaemia; multiple myeloma;
 KW Hodgkin's lymphoma; non-Hodgkin's lymphoma; hypergammaglobulinemia;
 KW APRIL, a proliferation-inducing ligand.
 XX
 OS Mus musculus.
 XX
 PN W0200218620-A2.
 XX
 PD 07-MAR-2002.
 XX
 PF 15-AUG-2001; 2001WO-US025549.
 XX
 PR 15-AUG-2000; 2000US-0225628P.
 PR 23-AUG-2000; 2000US-022708P.
 PR 22-SEP-2000; 2000US-023433P.
 PR 17-OCT-2000; 2000US-024080P.
 PR 30-NOV-2000; 2000US-025002P.
 PR 16-MAR-2001; 2001US-027624P.
 PR 25-MAY-2001; 2001US-029349P.
 PR 07-JUN-2001; 2001US-029612P.
 PR 13-JUL-2001; 2001US-030480P.

XX (HUMA-) HUMAN GENOME SCI INC.
 PA Yu G, Ebner R, Ni J, Rosen CA, Ulrich S;
 XX WPI; 2002-304259/34.

XX An isolated antibody or portion that specifically binds to a protein
 PT useful in the treatment of diseases such as hypergammaglobulinemia and
 PT cancer.

PS Disclosure; Page 476-477; 482pp; English.

CC The present invention relates to a new antibody, or portion, that
 CC specifically binds to a protein which has a 265 or 250 amino acid
 CC sequence as fully defined in the specification. The antibody of the
 CC invention is useful in treating a disease or disorder such as cancer,
 CC especially B-cell cancer, autoimmune diseases such as Sjogren's syndrome,
 CC systemic lupus erythematosus, rheumatoid arthritis, chronic lymphocytic
 CC leukaemia, multiple myeloma, Hodgkin's lymphoma, non-Hodgkin's lymphoma
 CC or hypergammaglobulinemia, or in diagnosing a disease or disorder
 CC comprising assaying expression of Neutrokin-alpha and APRIL (a
 CC proliferation-inducing ligand) in cells or body fluids using antibodies
 CC and comparing the Neutrokin-alpha and APRIL expression level with a
 CC standard Neutrokin-alpha and APRIL expression level, whereby an increase
 CC or decrease in the assayed Neutrokin-alpha and APRIL expression level
 CC compared to the standard levels is indicative of a disease or disorder.
 CC The present amino acid sequence represents the mouse Neutrokin-alpha-
 CC like protein fragment #1

SQ Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 5; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3.2e-165;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICDRGLAATLLALLSS 60
 DB 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICDRGLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPPHNSR 120
 DB 61 SFTAMSLYQLAALQADLMNLMELQSYRGSATPAAGAPBLTAGVKLLTPAAPPHNSR 120
 QY 121 GHRNRRAFGPBEETEDVDLSAPPAPCLPGCRHSQHDNGMNLNTIQCLOLIADSDTP 180
 DB 121 GHRNRRAFGPBEETEDVDLSAPPAPCLPGCRHSQHDNGMNLNTIQCLOLIADSDTP 180
 QY 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIOQRK 240
 DB 181 TIRKGTTFVFWMLISFRGNALBEKENKIYVRQGYFFISQVLYTDPFAMGHVIOQRK 240
 QY 241 VHVFDLSLVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 DB 241 VHVFDLSLVTLPRCIQNMKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
 QY 301 TFFGALKL 309
 DB 301 TFFGALKL 309

RESULT 3
 AB00717
 ID AB00717 standard; protein, 309 AA.

XX AB00717;
 AC
 XX
 DT 05-SEP-2002 (first entry)
 XX
 DE Murine B lymphocyte stimulator protein #1.
 KW B lymphocyte stimulator protein binding protein; BLyS; immune disease;
 KW allergy; proliferative disease; infectious disease; arteriosclerosis;

XX Disclosure, Page 172; 203pp; English.

XX The invention relates to an isolated antibody (1) or its portion that

XX specifically binds to a 285 residue neutrokin- α protein sequence or

XX a 250 residue APRIL (proliferation inducing ligand) polypeptide sequence

XX (82). Also included are: (1) an antibody or its portion that

XX competitively inhibits the specific binding of (1) by at least 50 or 90 %

XX ; (2) a nucleic acid encoding the antibody (1) (or its single chain); (3)

XX a vector comprising the nucleic acid; (4) a host cell comprising the

XX nucleic acid or vector; and (5) a hybridoma producing the antibody. The

XX antibody is useful for treating disease or disorder such as autoimmune

XX diseases, systemic lupus erythematosus, rheumatoid arthritis, Sjogren's

XX syndrome, cancer, preferably B cell cancer, chronic lymphocytic

XX leukemia, multiple myeloma, Hodgkin's lymphoma and non-Hodgkin's

XX lymphoma, an immunodeficiency, hypo or hypergammaglobulinemia, rheumatic

XX heart disease, diabetes mellitus, autoimmune thyroiditis, Goodpasture's

XX syndrome, Graves' disease, myasthenia gravis, autoimmune haemolytic

XX anaemia, infertility, chronic active hepatitis, primary biliary

XX cirrhosis, other disorders such as inflammatory skin diseases including

XX psoriasis, allergic conditions, atherosclerosis, antigen-antibody

XX complex mediated diseases and autoimmune thrombocytopenia. The antibody

XX is also useful for diagnosing the disease or disorder, by assaying

XX expression of Neutrokin- α and APRIL expression level, in cells or

XX body fluid of an individual and comparing the levels with a standard

XX expression level, where an increase or decrease in the assayed Neutrokin

XX - α and APRIL expression level compared to the standard expression

XX level is indicative of a disease or disorder. The antibody is also useful

XX for reducing or stimulating immunoglobulin production and to inhibit or

XX stimulate proliferation of a cell of haematopoietic origin, preferably a

XX B cell. The gene for Neutrokin- α is located on chromosome 13q34. The

XX present sequence is a non-human Neutrokin- α protein

XX

XX Sequence 309 AA:

XX

XX Query Match 100.0%; Score 1624; DB 5; Length 309;

XX Best Local Similarity 100.0%; Pred. No. 3.2e-165;

XX Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX

XX 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

XX 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

XX 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

XX 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

XX 121 GHRNRAPFGPBEETQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 121 GHRNRAPFGPBEETQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 121 GHRNRAPFGPBEETQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 181 TIRKGYTFVFWMLSPFRGNALBEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

XX 181 TIRKGYTFVFWMLSPFRGNALBEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

XX 181 TIRKGYTFVFWMLSPFRGNALBEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

XX 241 VHVGDLSLVTLFRCTQMPKTLPPNNSCSAGIARLEEDFQIAPRNPQISNGDD 300

XX 241 VHVGDLSLVTLFRCTQMPKTLPPNNSCSAGIARLEEDFQIAPRNPQISNGDD 300

XX 241 VHVGDLSLVTLFRCTQMPKTLPPNNSCSAGIARLEEDFQIAPRNPQISNGDD 300

XX 301 TTFGALKLL 309

XX 301 TTFGALKLL 309

XX 301 TTFGALKLL 309

XX

XX RESULT 5

XX ABP47219

XX ID ABP47219 standard; protein, 309 AA.

XX AC ABP47219;

XX

XX 19-AUG-2002 (first entry)

XX

XX Human Blys binding scfv VH CDR3 SEQ ID 3230.

XX Blys; B lymphocyte stimulator; TNF superfamily; human; cytostatic;

XX tumour necrosis factor; B cell proliferation; B cell differentiation;

XX immunosuppressive; immunostimulant; immunomodulatory; antineumatic;

XX antiAIDS; vaccine; cancer; immune; autoimmune disorder; immunodeficiency;

XX systemic lupus erythematosus; rheumatoid arthritis; CVID; AIDS;

XX common variable immunodeficiency; acquired immunodeficiency syndrome.

XX Homo sapiens.

XX WO200202641-A1.

XX 10-JAN-2002.

XX 15-JUN-2001; 2001WO-US019110.

XX 16-JUN-2000; 2000US-0212210P.

XX 17-OCT-2000; 2000US-0240816P.

XX 16-MAR-2001; 2001US-0276248P.

XX 21-MAR-2001; 2001US-0277379P.

XX 25-MAY-2001; 2001US-0293499P.

XX (HUMA-) HUMAN GENOME SCI INC.

XX (CAME-) CAMERIDGE ANTIBODY TECHNOLOGY.

XX Ruben SM, Barash SC, Choi GH, Vaughan T, Hilbert D,

XX WPI; 2002-114799/15.

XX Antibodies against B lymphocyte stimulating polypeptides, useful for the

XX diagnosis and treatment of cancers and immune disorders.

XX

XX Disclosure; Page 3140-3141; 3148pp; English.

XX

XX This invention describes novel antibodies that immunospecifically bind to

XX B lymphocyte stimulator (Blys) polypeptides. Blys is a member of the

XX tumour necrosis factor (TNF) super family and induces B cell

XX proliferation and differentiation. The antibodies of the invention have

XX cytostatic, immunosuppressive, immunostimulant, immunomodulatory,

XX antineumatic and antiAIDS activity and can be used in vaccines to

XX inhibit the expression and activity of Blys. The antibodies bind to Blys

XX and so may be used to detect and quantitate the presence of Blys in

XX biological samples and may be used in this way to diagnose disease

XX associated with aberrant expression of Blys. They may also be

XX administered to treat diseases associated with aberrant Blys expression

XX and activity such as cancer, immune, and autoimmune disorders and

XX diseases, e.g. systemic lupus erythematosus, rheumatoid arthritis,

XX immunodeficiency (e.g. common variable immunodeficiency (CVID) and

XX acquired immunodeficiency syndrome (AIDS)). ABP43990-ABP47228 represent

XX the antibodies and fragments of the antibodies described in the method of

XX the invention

XX

XX Sequence 309 AA:

XX

XX Query Match 100.0%; Score 1624; DB 5; Length 309;

XX Best Local Similarity 100.0%; Pred. No. 3.2e-165;

XX Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX

XX 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

XX 1 MDESAKTLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALLSS 60

XX 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

XX 61 SFTMSLYQLAALQADIMNLMELOSRYGSATPAAGAPELTAGVKLLTPAAPPHNSR 120

XX 121 GHRNRAPFGPBEETQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 121 GHRNRAPFGPBEETQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 121 GHRNRAPFGPBEETQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180

XX 181 TIRKGYTFVFWMLSPFRGNALBEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

XX 181 TIRKGYTFVFWMLSPFRGNALBEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

XX 181 TIRKGYTFVFWMLSPFRGNALBEKENKIVRQGYFFIYSQVLYTDPFPMAGHVIQKK 240

OY 241 VHVFGDELSLVTLFRCLQMPKTLPNNSCYSGAGIARLEBDEIQLATPRENAQISRGDD 300
DB 241 VHVFGDELSLVTLFRCLQMPKTLPNNSCYSGAGIARLEBDEIQLATPRENAQISRGDD 300
OY 301 TFFGALKL 309
DB 301 TFFGALKL 309

RESULT 6

ABG33578
ID ABG33578 standard; protein; 309 AA.

ABG33578;

15-JUL-2002 (first entry)

Murine B Lymphocyte Stimulator (BLys) protein #1.

B Lymphocyte Stimulator protein; B Lymphocyte Stimulator binding peptide; BLys; biological fluid; serum; plasma; lymph; blood; urine; spinal fluid; synovial fluid; saliva; mucus; mouse.

Mus sp.

WO200216412-A2.

28-FEB-2002.

17-AUG-2001; 2001MO-US025891.

18-AUG-2000; 2000US-0226489P.

(DYAX-) DYAX CORP.

Beltzer JP, Potter MD, Fleming TV, Ladner RC;

WPI; 2002-351647/38.

New B-lymphocyte stimulator binding polypeptide useful in detecting or isolating BLys or BLys-like polypeptide comprises a specified amino acid sequence.

Disclosure; Page 186-188; 269pp; English.

The invention relates to a B lymphocyte stimulator (BLys) binding polypeptide. BLys binding peptides bind BLys or BLys-like proteins reversibly or irreversibly. The binding peptides are used in detection, isolation and/or purification of BLys in a solution such as water or a buffer solution, as well as any fluid and/or cell obtained from an individual biological fluid, body tissue, body cell, cell line, tissue culture or other source containing BLys or BLys-like polypeptides. The biological fluids include sera, plasma, lymph, blood, blood fraction, urine, synovial fluid, spinal fluid, saliva and mucous. Sequences ABG33578 and ABG33579 represent murine B lymphocyte stimulator proteins

Sequence 309 AA;

Query Match 100.0%; Score 1624; DB 5; Length 309;
Best Local Similarity 100.0%; Pred. No. 3.2e-165;
Matches 309; Conservative 100.0%; Mismatches 0; Indels 0; Gaps 0;

OY 1 MDESAKTLPPCLCFSEKGEKMGVDPITPOKEGAFGICRDRILATLLALSS 60
DB 1 MDESAKTLPPCLCFSEKGEKMGVDPITPOKEGAFGICRDRILATLLALSS 60

OY 61 SFTAMSLYOLALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120
DB 61 SFTAMSLYOLALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120

OY 121 GHRNRRAFGQEPETEDVDLSAPPAPCLPGCRHSQHNDNGMNLNTIQQDLQIADSDTP 180
DB 121 GHRNRRAFGQEPETEDVDLSAPPAPCLPGCRHSQHNDNGMNLNTIQQDLQIADSDTP 180

DB 121 GHRNRRAFGQEPETEDVDLSAPPAPCLPGCRHSQHNDNGMNLNTIQQDLQIADSDTP 180
OY 181 TIRKGTTFVPMILSPFRGNALSEKENKIYVRQTYGFYISQVLYTDPPIFAMGHVQRK 240
DB 181 TIRKGTTFVPMILSPFRGNALSEKENKIYVRQTYGFYISQVLYTDPPIFAMGHVQRK 240
OY 241 VHVFGDELSLVTLFRCLQMPKTLPNNSCYSGAGIARLEBDEIQLATPRENAQISRGDD 300
DB 241 VHVFGDELSLVTLFRCLQMPKTLPNNSCYSGAGIARLEBDEIQLATPRENAQISRGDD 300
OY 301 TFFGALKL 309
DB 301 TFFGALKL 309

RESULT 7

AAE37308
ID AAE37308 standard; protein; 309 AA.

AAE37308;

07-AUG-2003 (first entry)

Mouse neutrokin-alpha related protein #1.

Neutrokin-alpha; splice variant; SV; therapy; immune system; cancer; leukaemia; metastatic tumour; cytostatic; mouse.

Mus musculus.

WO2003033658-A2.

24-APR-2003.

16-OCT-2002; 2002MO-US032910.

17-OCT-2001; 2001US-0329508P.

18-OCT-2001; 2001US-0329747P.

PR 31-OCT-2001; 2001US-0330835P.

PR 16-NOV-2001; 2001US-0331478P.

PR 07-DEC-2001; 2001US-0336726P.

PR 01-APR-2002; 2002US-0368548P.

(HUMA-) HUMAN GEMOME SCI INC.

Yu G, Ebner R, Ni J, Rosen CA, Laird MW, Ullrich S;

WPI; 2003-421321/39.

Treating immune system cancer or leukemia involves administering to

individual Neutrokin-alpha polypeptide.

Disclosure; Page 506-507; 520pp; English.

The invention relates to a method for treating immune system cancer or

leukemia by administering to an individual, a neutrokin-alpha or

neutrokin-alpha splice variant (SV) protein. The method is useful for

treating cancer of immune system, such as metastatic tumour, or

leukaemia. The present sequence is mouse neutrokin-alpha related

protein. This sequence is used to illustrate the method of the invention

Query Match 100.0%; Score 1624; DB 6; Length 309;
Best Local Similarity 100.0%; Pred. No. 3.2e-165;
Matches 309; Conservative 100.0%; Mismatches 0; Indels 0; Gaps 0;

OY 1 MDESAKTLPPCLCFSEKGEKMGVDPITPOKEGAFGICRDRILATLLALSS 60
DB 1 MDESAKTLPPCLCFSEKGEKMGVDPITPOKEGAFGICRDRILATLLALSS 60

OY 61 SFTAMSLYOLALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120
DB 61 SFTAMSLYOLALQADLNLRLMELOSYSRGSATPAAAGAPBELTAGVKLTTPAAPPHNSR 120

```

Db      61 SFTAMSLYQALALQADLMRLMELQSYRGSAATPAAGAPELTAGVYLTPPAAPRHNSR 120
QY      121 GHRNRAFGPGEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQIADSDTP 180
        121 GHRNRAFGPGEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQIADSDTP 180
Db      181 TIRKGTTFVFWPLLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPDFAMGHVIOQKK 240
        181 TIRKGTTFVFWPLLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPDFAMGHVIOQKK 240
QY      241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEBGEDEIQLAIPRENAQISRNGD 300
        241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEBGEDEIQLAIPRENAQISRNGD 300
Db      301 TFFGALKL 309
        301 TFFGALKL 309
QY      301 TFFGALKL 309
        301 TFFGALKL 309

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RESULT 8
AAB08262
ID      AAB08262 standard; protein; 309 AA.

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XX      AAB08262;

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DT      04-DEC-2000 (first entry)

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XX      Amino acid sequence of a murine AGP-3 polypeptide.

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XX      AGP-3; tumour necrosis factor ligand; TNF ligand; Crohn's disease;

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KM      type II transmembrane protein; B cell stimulatory factor;

```

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KM      inflammatory disorder; immune disorder; rheumatoid arthritis;

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XX      lupus and graft versus host disease.

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XX      Mus sp.

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XX      Location/Qualifiers

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FT      Key 1..47

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FT      Region /note="intracellular domain"

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FT      Domain /note="transmembrane region"

```

```

FT      /note="extracellular domain"

```

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FT      Misc-difference 106

```

```

FT      /note="unspecified amino acid encoded by AAA"

```

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FT      Misc-difference 271

```

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FT      /note="Ser encoded by TTG"

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FT      Misc-difference 282

```

```

FT      /note="Glu encoded by GG"

```

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FT      Misc-difference 295

```

```

FT      /note="Ser encoded by CAC"

```

```

FT      Misc-difference 296

```

```

FT      /note="Arg encoded by GC"

```

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XX      WO200047740-A2.

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XX      17-AUG-2000.

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XX      11-FEB-2000; 2000WO-US003653.

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XX      12-FEB-1999; 99US-0119996P.

```

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XX      18-NOV-1999; 99US-0166271P.

```

```

XX      (AMGE-) AMGEN INC.

```

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XX      Boyle WJ, Heu H;

```

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XX      WPI; 2000-558217/51.

```

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XX      N-PSDB; AAA63942.

```

```

XX      Novel polypeptides comprising tumor necrosis factor ligand family

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XX      proteins useful for treating inflammatory and immune disorders, e.g.

```

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XX      rheumatoid arthritis.

```

```

XX      Claim 4; Fig 2; 71pp; English.
XX      The present sequence encodes a murine Agp-3 polypeptide. Agp-3 is a
XX      tumour necrosis factor (TNF) ligand family member. Agp-3 is a type II
XX      transmembrane protein, and is a potent B cell stimulatory factor.
XX      Expression of Agp-3 correlates to increases in the number of B cells and
XX      immunoglobulins produced. Agp-3 proteins, antibodies, and nucleic acids
XX      may be used to treat inflammatory and immune disorders, e.g. rheumatoid
XX      arthritis, Crohn's disease, lupus and graft versus host disease. The
XX      nucleic acids may be used to regulate the expression of an Agp-3 related
XX      protein. The Agp-3 proteins, antibodies and nucleic acids are also useful
XX      for the detection of Agp-3 agonists, antagonists and characterizing
XX      interactions with Agp-3 related proteins. note: this sequence is not
XX      specifically claimed. It is only mentioned in the claims, in that a
XX      polypeptide that does not comprise the present sequence is claimed
XX      Sequence 309 AA:

```

```

Query Match: 99.6%; Score 1618; DB 3; Length 309;
Best Local Similarity 99.7%; Pred. No. 1,4e-164;
Matches 308; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 MDESAKTLPPPCLCFCEKEDMKVGYDPTTPOXERGANFICRDRLLAATLLALLSS 60
        1 MDESAKTLPPPCLCFCEKEDMKVGYDPTTPOXERGANFICRDRLLAATLLALLSS 60
Db      61 SFTAMSLYQALALQADLMRLMELQSYRGSAATPAAGAPELTAGVYLTPPAAPRHNSR 120
        61 SFTAMSLYQALALQADLMRLMELQSYRGSAATPAAGAPELTAGVYLTPPAAPRHNSR 120
QY      121 GHRNRAFGPGEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQIADSDTP 180
        121 GHRNRAFGPGEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQIADSDTP 180
Db      121 GHRNRAFGPGEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQIADSDTP 180
        121 GHRNRAFGPGEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQIADSDTP 180
QY      181 TIRKGTTFVFWPLLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPDFAMGHVIOQKK 240
        181 TIRKGTTFVFWPLLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPDFAMGHVIOQKK 240
Db      181 TIRKGTTFVFWPLLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPDFAMGHVIOQKK 240
        181 TIRKGTTFVFWPLLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPDFAMGHVIOQKK 240
QY      241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEBGEDEIQLAIPRENAQISRNGD 300
        241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEBGEDEIQLAIPRENAQISRNGD 300
Db      241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEBGEDEIQLAIPRENAQISRNGD 300
        241 VHVFGDELSLVTLFRCIQNMPTLPNNSCYSAGIARLEBGEDEIQLAIPRENAQISRNGD 300
QY      301 TFFGALKL 309
        301 TFFGALKL 309
Db      301 TFFGALKL 309
        301 TFFGALKL 309

```

```

RESULT 9
AAU10943
ID      AAU10943 standard; protein; 309 AA.

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XX      AAU10943;

```

```

DT      12-MAR-2002 (first entry)

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XX      Mouse Agp-3.

```

```

XX      Mouse Agp-3.

```

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XX      Mouse; AGP-3; anti-inflammatory; antiarthritic; immunosuppressive;

```

```

XX      dermatological; neuroprotective; nootropic; immunomodulator; metabolic;

```

```

XX      antidiabetic; analgesic; nephroprotective; osteopathic; cytostatic; fever;

```

```

XX      antiparkinsonian; antipsoriatic; vasotropic; antibacterial; asthma;

```

```

XX      AGP-3 receptor; tumour necrosis factor ligand family; immune disorder;

```

```

XX      mesenteric lymph node; AGP-3R; inflammatory disease; immune disorder;

```

```

XX      rheumatoid arthritis; graft-versus-host disease; Crohn's disease;

```

```

XX      pancreatitis; amyotrophic lateral sclerosis; ALS; Alzheimer's disease;

```

```

XX      diabetes; glomerulonephritis; inflammatory bowel disease; ischaemia;

```

```

XX      multiple sclerosis; Parkinson's disease; transgenic animal.

```

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XX      Mus musculus.

```

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XX      WO200185782-A2.

```


PD 15-NOV-2001.
 XX 12-FEB-2001; 2001WO-US004568.
 PF 11-FEB-2000; 2000US-0181800P.
 PR (AMGE-) AMGEN INC.
 PA Boyle WU, Hsu H;
 PI WPI: 2002-049441/06.
 DR N-PSDB; AAS18545.
 XX Composition, useful for identifying modulator of receptor for treating
 PT asthma and glomerulonephritis, comprises AGP-3 (tumor necrosis factor
 ligand family member) receptor and encoding nucleic acids.
 XX Disclosure; Fig 2: 124pp; English..
 PS The invention relates to a composition (I) comprising AGP-3 receptor
 CC (tumor necrosis factor ligand family member) related protein (II)
 CC attached to a vehicle protein. (I) is useful for modulating AGP-3-related
 CC activity in mesenteric lymph nodes (MLN) of a mammal. (II) is useful in
 CC assays to identify cells and tissues that express AGP-3R or proteins
 CC related to AGP-3R-related protein and for identifying compounds (agonists
 CC or antagonists) that interact with AGP-3R proteins. (II) is also useful
 CC for identifying intracellular proteins that interact with the respective
 CC cytoplasmic domains by yeast two-hybrid screening process. (II) is
 CC involved in B cell growth, survival and activation particularly in lymph
 CC node, spleen, and Peyer's patches. AGP-3R agonists and antagonists
 CC identified using (II) are used for modulating B cell response and are
 CC used to treat diseases characterised by inflammatory processes or
 CC deregulated immune response such as rheumatoid arthritis, graft-versus-
 CC host disease, Crohn's disease, lupus, etc. (II) is also useful in the
 CC production of hybridoma cells which are derived from B cells, which
 CC involves treating the hybridoma cells with (II). (II) is useful in the
 CC treatment of inflammatory conditions of joints, e.g., rheumatoid
 CC arthritis, osteoarthritis, etc. (II), its agonists or antagonists are
 CC useful for treating acute pancreatitis, amyotrophic lateral sclerosis
 CC (ALS), Alzheimer's disease, asthma, atherosclerosis, cachexia/anorexia,
 CC diabetes, fever, glomerulonephritis, inflammatory bowel disease,
 CC ischaemic injury including cerebral ischaemia, multiple myeloma, multiple
 CC sclerosis, osteoporosis, Parkinson's disease, pain, reperfusion injury,
 CC septic shock, etc. The nucleic acids are also useful for developing the
 CC transgenic animals expressing (II), which are useful for producing the
 CC polypeptides and for the study of in vivo biological activity. The
 CC present sequence represents the amino acid sequence of mouse AGP-3
 CC XX
 SQ Sequence 309 AA;
 Query Match 99.6%; Score 1618; DB 5; Length 309;
 Best Local Similarity 99.7%; Pred. No. 1.4e-164;
 Matches 308; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MDSASATLPPLCCFCSEKGEKMGVYDPTTQKEGANGFCICPDGRLAATLLALLSS 60
 DB 1 MESASATLPPLCCFCSEKGEKMGVYDPTTQKEGANGFCICPDGRLAATLLALLSS 60
 QY 61 SFTASMLVQLAALQADLMNLRMELOSYSRGSATPAAGAPELTAVGYLTLPAPRPHNSR 120
 DB 61 SFTASMLVQLAALQADLMNLRMELOSYSRGSATPAAGAPELTAVGYLTLPAPRPHNSR 120
 QY 121 GHRNRRAFGQPEETEDVDLSAPAPCLPGCRHSQHDDNGNNLRNIIDQCCLINDSDTP 180
 DB 121 GHRNRRAFGQPEETEDVDLSAPAPCLPGCRHSQHDDNGNNLRNIIDQCCLINDSDTP 180
 QY 121 GHRNRRAFGQPEETEDVDLSAPAPCLPGCRHSQHDDNGNNLRNIIDQCCLINDSDTP 180
 DB 121 GHRNRRAFGQPEETEDVDLSAPAPCLPGCRHSQHDDNGNNLRNIIDQCCLINDSDTP 180
 QY 181 TTRKGYTTPVPMILSRKGNALSEKNTIVRQTGFYTSQVLYTDPFANGHYIQKX 240
 DB 181 TTRKGYTTPVPMILSRKGNALSEKNTIVRQTGFYTSQVLYTDPFANGHYIQKX 240
 QY 241 VHVFGDELIVTLFRCIQWPKTLPNNSCYSGAGIARLEEGDEIOLAIPEENQISRNQGD 300
 DB 241 VHVFGDELIVTLFRCIQWPKTLPNNSCYSGAGIARLEEGDEIOLAIPEENQISRNQGD 300

QY 301 TTPGALKTL 309
 DB 301 TTPGALKTL 309
 RESULT 10
 AAM93587
 ID AAM93587 standard; protein; 290 AA.
 XX
 AC AAM93587;
 DT 18-JUN-1999 (first entry)
 XX
 DE Mouse TNFR1-alpha protein.
 XX
 KM Tumour necrosis factor receptor; signal transducer molecule; TNF; APO4;
 KM developmental abnormality; gestational abnormality; prostate cancer;
 KM APO6; APO8; APO9; TNFR-1; TNFR-3; diagnosis; treatment; therapy; disease;
 KM cytoplasmic domain; immunogen; antibody preparation; breast carcinoma;
 KM apoptosis; mouse; TNFR1-alpha.
 OS Mus sp.
 PN WO9911791-A2.
 PD 11-MAR-1999.
 XX
 PF 04-SEP-1998; 98WO-US018393.
 XX
 PR 05-SEP-1997; 97US-00924634.
 XX
 PA (UNIV) UNIV WASHINGTON.
 XX
 PI Chaudhary PM;
 DR WPI: 1999-205191/17.
 DR N-PSDB; MAX23421.
 XX
 PT New Tumor Necrosis Factor family receptor polypeptides and ligands -
 PT useful for diagnosis and treatment of prostate cancer and developmental
 PT or gestational abnormalities.
 XX
 PS Claim 34; Fig 11B; 156pp; English.
 CC This invention describes isolated Tumor Necrosis Factor (TNF) family
 CC receptor polypeptides: APO4, APO6, APO8 and APO9 or their active
 CC fragments, and isolated TNF related ligands 1 and 3 (TNFR1 and TNFR3) or
 CC their active fragments. APO4 is useful for diagnosing prostate cancer by
 CC determining levels of APO4 in an individual. Prostate cancer can also be
 CC treated using APO4 selective binding agents linked to a therapeutic
 CC moiety. APO4 polypeptides are also useful for identifying selective
 CC binding agents, useful in diagnosis/treatment of disease by binding of
 CC agents to the polypeptide/active fragment which is extracellular, or
 CC expressed on the cell surface. The binding is preferably performed in
 CC vivo. APO4 polypeptides/active fragments are also useful for screening
 CC for agonists and antagonists by binding and observing the change in APO4
 CC activity. Effective pharmacological agents useful in diagnosis or
 CC treatment of disease are also identified using APO4 polypeptides/active
 CC fragments and APO4 signal transducer molecules that specifically interact
 CC with a cytoplasmic domain of APO4 and detecting a change in level of APO4
 CC activity. The method is performed in vivo or in vitro. APO polypeptides
 CC are all useful as immunogens for preparing antibodies. APO4 is also
 CC useful for diagnosis/treatment of developmental or gestational
 CC abnormalities. APO8 was transfected to human breast carcinoma cell line
 CC MCF-7, and induced apoptosis
 CC XX
 SQ Sequence 290 AA;
 Query Match 92.4%; Score 1500.5; DB 2; Length 290;
 Best Local Similarity 93.5%; Pred. No. 5.3e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDSAKTLPPCLCFCESEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 DB 1 MDSAKTLPPCLCFCESEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALADLMNLAMELOSYRGSAATPAAAGAPBLTAGVKLLTPAAPPHNSR 120
 DB 61 SFTAMSLYQLAALADLMNLAMELOSYRGSAATPAAAGAPBLTAGVKLLTPAAPPHNSR 120
 QY 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 DB 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 QY 181 TIRKGYTFVFWMLSPFRGNALBEKENKIYVRQGYFFIISQVLYTDPITPAMGHVIOQKK 240
 DB 166 ----RTYTFVFWMLSPFRGNALBEKENKIYVRQGYFFIISQVLYTDPITPAMGHVIOQKK 221
 QY 241 VHVFGDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 300
 DB 222 VHVFGDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 281
 QY 301 TFFGALKL 309
 DB 282 TFFGALKL 290

RESULT 11
 AAY04393
 ID AAY04393 standard; protein; 290 AA.

AC AAY04393;
 XX 24-JUN-1999 (first entry)
 DT Murine Kay-1 ligand.
 DE Murine Kay-1 ligand.
 XX Key-1 ligand; tumour necrosis factor family; TNF; immune system; cytokine;
 KW autoimmune disease; tissue graft; cancer; cell death.
 XX Mus sp.
 OS WO9912964-A2.
 PN 18-MAR-1999.
 PD 11-SEP-1998; 98MO-US019037.
 XX 12-SEP-1997; 97US-0058786P.
 PR (BIOJ) BIOGEN INC.
 PA (BIOJ) BIOGEN INC.
 PI Tschopp J;
 PT WPI; 1999-243715/20.
 DR N-PSDB; AAX33331.
 XX New human or murine Kay-1 ligands, members of the tumour necrosis factor family.
 PT Claim 12; Page 33; 41pp; English.
 PS The present sequence represents murine Kay-1 ligand, which is a member of
 CC the tumour necrosis factor; (TNF) family of cytokines. Pharmaceutical
 CC compositions containing the Kay-1 ligand can be used to suppress or
 CC stimulate the immune system, especially to prevent or reduce the severity
 CC of autoimmune diseases or response to a tissue graft or to treat cancer.
 CC An agent capable of interfering with the Kay-1 ligand can be used to induce
 CC cell death. The Kay-1 ligand can also be used to identify its receptors
 XX Sequence 290 AA;

Query Match 92.4%; Score 1500.5; DB 2; Length 290;
 Best Local Similarity 93.5%; Pred. No. 53e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDSAKTLPPCLCFCESEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 DB 1 MDSAKTLPPCLCFCESEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLLALLSS 60
 QY 61 SFTAMSLYQLAALADLMNLAMELOSYRGSAATPAAAGAPBLTAGVKLLTPAAPPHNSR 120
 DB 61 SFTAMSLYQLAALADLMNLAMELOSYRGSAATPAAAGAPBLTAGVKLLTPAAPPHNSR 120
 QY 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 DB 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
 QY 181 TIRKGYTFVFWMLSPFRGNALBEKENKIYVRQGYFFIISQVLYTDPITPAMGHVIOQKK 240
 DB 166 ----RTYTFVFWMLSPFRGNALBEKENKIYVRQGYFFIISQVLYTDPITPAMGHVIOQKK 221
 QY 241 VHVFGDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 300
 DB 222 VHVFGDELSTVTLPRCIQNMKTLPNNSCYSAGIARLEEGDELOLAIPRENAQISRGDD 281
 QY 301 TFFGALKL 309
 DB 282 TFFGALKL 290

RESULT 12
 AAE07880
 ID AAE07880 standard; protein; 290 AA.

AC AAE07880;
 XX 01-NOV-2001 (first entry)
 DT Mouse BAFF protein.
 DE Mouse BAFF protein.
 XX Mouse; tumour necrosis factor; TNF; APBF; APRIL; BAFF; therapy; melanoma;
 KW immune system-related disorder; cancer; renal cell; breast; stomach;
 KW rectal; colon; throat; bladder; ovarian carcinoma; cellular leukemia;
 KW gastrointestinal; scleroderma; Kaposi's sarcoma; chronic leukaemia;
 KW squamous cell carcinoma; hyperproliferative condition; pannus formation;
 KW rheumatoid arthritis; postsurgical scarring; fibrosis; liver; uterine;
 KW lung; immunodeficiency; inflammatory disease; lymphadenopathy; vulnary;
 KW autoimmune disease; graft versus host disease; dermatological;
 KW antiinflammatory; immunosuppressive; cytostatic.
 XX Mus sp.
 OS WO200158949-A2.
 PN 16-AUG-2001.
 PD 08-FEB-2001; 2001WO-US004121.
 XX 11-FEB-2000; 2000US-0181670P.
 PR (BIOJ) BIOGEN INC.
 PA (BIOJ) BIOGEN INC.
 PI Rennett PD, Thompson JS, Ambrose C, Cachero TG;
 PT WPI; 2001-514644/56.
 DR N-PSDB; AAD14418.
 XX New heteromeric ligand of tumor necrosis factor (TNF) family, useful for
 CC diagnosis, treatment of immune system-related disorders in humans,
 CC comprises TNF-family member APRIL subunit linked non-covalently to TNF-
 CC family member BAFF subunit.
 XX Claim 2; Fig 2d; 42pp; English.
 PS The present invention relates to an isolated heteromeric ligand of tumour
 CC necrosis factor (TNF)-family, referred to as APBF comprising a TNF-family
 CC member APRIL subunit linked non-covalently to TNF-family member BAFF

CC subunit. ABPF is useful for diagnosis or treatment of various immune
 CC system-related disorders in mammals, preferably humans. Such disorders
 CC include cancer, including cellular disorders, for e.g. renal cell cancer,
 CC Kaposi's sarcoma, chronic leukaemia, breast cancer, sarcoma, ovarian
 CC carcinoma, rectal cancer, throat cancer, melanoma, colon cancer, bladder
 CC cancer, squamous cell carcinoma and gastrointestinal or stomach cancer,
 CC cellular hyperproliferative conditions, such as scleroderma, lumps, liver
 CC formation in rheumatoid arthritis, postsurgical scarring and lung, liver
 CC and uterine fibrosis and immunodeficiencies, inflammatory diseases, ABPF
 CC lymphadenopathy, autoimmune diseases and graft versus host disease. ABPF
 CC is also useful for producing monoclonal or polyclonal antibodies and for
 CC identifying novel modulators affecting biological function and receptors
 CC interacting with ABPF. The present sequence is mouse BAF protein

XX Sequence 290 AA;

Query Match 92.4%; Score 1500.5; DB 4; Length 290;

Best Local Similarity 93.5%; Pred. No. 5,3e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFSGEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
 Db 1 MDESAKTLPPPCLCFSGEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
 QY 61 SFTAMSLVLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLTTPAAPRPHNSR 120
 Db 61 SFTAMSLVLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLTTPAAPRPHNSR 120
 QY 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 Db 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 QY 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 Db 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 QY 181 TIRKGTTPVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 240
 Db 181 TIRKGTTPVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 240
 QY 166 ---RTYTFVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 221
 Db 166 ---RTYTFVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 221
 QY 241 VHVFGDELSTVTLFRCIQNPPTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 300
 Db 222 VHVFGDELSTVTLFRCIQNPPTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 281
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 13

AAU79148 standard; protein; 290 AA.

AAU79148

02-JUL-2002 (first entry)

Mouse Neutrokin-alpha-like protein fragment #2.

Mouse; Neutrokin-alpha-like; antibody; immunogen; B-cell cancer;
 autoimmune disease; Sjogren's syndrome; systemic lupus erythematosus;
 rheumatoid arthritis; chronic lymphocytic leukaemia; multiple myeloma;
 Hodgkin's lymphoma; non-Hodgkin's lymphoma; hypergammaglobulinemia;
 APRIL; a proliferation-inducing ligand.

Mus musculus.

MO200218620-A2.

07-MAR-2002.

15-AUG-2001; 2001WO-US025549.

15-AUG-2000; 2000US-0225628P.

23-AUG-2000; 2000US-0227008P.

22-SEP-2000; 2000US-0234338P.

17-OCT-2000; 2000US-0240806P.

PR 30-NOV-2000; 2000US-0250020P.
 PR 16-MAR-2001; 2001US-0276248P.
 PR 25-MAY-2001; 2001US-0293499P.
 PR 07-JUN-2001; 2001US-0296122P.
 PR 13-JUL-2001; 2001US-0304809P.
 (HCTA-) HUMAN GENOME SCI INC.

Yu G, Ebner R, Ni J, Rosen CA, Ullrich S;

WPI, 2002-304259/34.

PT An isolated antibody or portion that specifically binds to a protein
 PT useful in the treatment of diseases such as hypergammaglobulinemia and
 PT cancer.

PS Disclosure; Page 477-478; 482pp; English.

CC The present invention relates to a new antibody, or portion, that
 CC specifically binds to a protein which has a 285 or 290 amino acid
 CC sequence as fully defined in the specification. The antibody of the
 CC invention is useful in treating a disease or disorder such as cancer,
 CC especially B-cell cancer, autoimmune diseases such as Sjogren's syndrome,
 CC systemic lupus erythematosus, rheumatoid arthritis, chronic lymphocytic
 CC leukaemia, multiple myeloma, Hodgkin's lymphoma, non-Hodgkin's lymphoma
 CC or hypergammaglobulinemia, or in diagnosing a disease or disorder
 CC comprising assaying expression of Neutrokin-alpha and APRIL (a
 CC proliferation-inducing ligand) in cells or body fluids using antibodies
 CC and comparing the Neutrokin-alpha and APRIL expression level with a
 CC standard Neutrokin-alpha and APRIL expression level, whereby an increase
 CC or decrease in the assayed Neutrokin-alpha and APRIL expression level
 CC compared to the standard levels is indicative of a disease or disorder.
 CC The present amino acid sequence represents the mouse Neutrokin-alpha-
 CC like protein fragment #2

XX Sequence 290 AA;

Query Match 92.4%; Score 1500.5; DB 5; Length 290;

Best Local Similarity 93.5%; Pred. No. 5,3e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFSGEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
 Db 1 MDESAKTLPPPCLCFSGEKEDMKVGYDPTTPQKEGAMFGICRDRLLAATLLALSS 60
 QY 61 SFTAMSLVLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLTTPAAPRPHNSR 120
 Db 61 SFTAMSLVLAALQADIMNLRMELQSYRGSATPAAGAPELLTAGVKLTTPAAPRPHNSR 120
 QY 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 Db 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 QY 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 Db 121 GHRNRRAFOGPEBETQDVLSAPPAPCLPGCRHSQHDNGMNLRTIQQCLQIADSDTP 180
 QY 181 TIRKGTTPVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 240
 Db 181 TIRKGTTPVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 221
 QY 166 ---RTYTFVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 221
 Db 166 ---RTYTFVPMILSFKGNALFEKENKIIVRQTGYFFYSQVLYTDPFAMGHVIOQRK 221
 QY 241 VHVFGDELSTVTLFRCIQNPPTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 300
 Db 222 VHVFGDELSTVTLFRCIQNPPTLPNNSCYAGIARLEGEDEIOLAIPRENAQISRNGD 281
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 14

ABJ00718 standard; protein; 290 AA.

ABJ00718

05-SEP-2002 (first entry)

XX Murine B lymphocyte stimulator protein #2.
 DE
 XX
 XX B lymphocyte stimulator protein binding protein; BlyS, immune disease;
 KW allergy; proliferative disease; infectious disease; arteriosclerosis;
 KW inflammatory disorder; hypergammaglobulinaemia; blood clotting;
 KW ischaemia; graft-versus-host disease; neurodegenerative disease;
 KW immunosuppressive; nephrotropic; antirheumatic; antiallergic;
 KW neuroprotective; cytostatic; immunostimulant; antitumour; anti-HIV;
 KW antiasmatic; antiallergic; chymotrypsin; antianemic; haemostatic;
 KW dermatological; antiinflammatory; cardiac; ophtalmological; uropathic;
 KW antidiabetic; antithyroid; antidepressant; hepatocytic.
 XX
 XX Mus sp.
 OS
 XX WO200216411-A2.
 PN
 XX 28-FEB-2002.
 XX
 XX 17-AUG-2001; 2001WO-US025850.
 XX
 XX 18-AUG-2000; 2000US-0226700P.
 XX
 XX (HUMA-) HUMAN GENOME SCI INC.
 PA
 XX Beltzer JP, Potter DM, Fleming TL, Rosen CA;
 PI
 XX WPI; 2002-499775/53.
 DR
 XX
 XX The treatment of various diseases e.g. rheumatoid arthritis, comprises
 PT administering B lymphocyte stimulator binding polypeptide.
 PT
 XX
 PS Disclosure: Page 306-307; 387pp; English.
 XX
 XX The present invention relates to the treatment, prevention or
 CC amelioration of a disease or disorder associated with: aberrant B
 CC lymphocyte stimulator (BlyS), BlyS receptor expression or activity; cells
 CC of haematopoietic origin; or proliferative disease; and reducing;
 CC inhibiting or stimulating immunoglobulin production, B cell proliferation
 CC and graft rejection involving administration of BlyS binding polypeptide.
 CC The BlyS binding polypeptides are used in the treatment, prevention or
 CC amelioration of diseases such as immune system diseases, proliferative
 CC diseases, diseases of cells of haematopoietic origin, graft rejection,
 CC allergies, infectious diseases, arteriosclerosis, inflammatory disorders,
 CC hypergammaglobulinaemia, blood clotting disorders, ischaemia, and
 CC neurodegenerative diseases. The present sequence is a B lymphocyte
 CC stimulator protein
 CC
 XX Sequence 290 AA;
 SQ
 Query Match 92.4%; Score 1500.5; DB 5; Length 290;
 Best Local Similarity 93.5%; Pred. No. 5.3e-152;
 Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;
 QY 1 MDESAKTLPPCLCFCEKGEKMGVGYDPTTPQKEGAMFGICRDGRLATLALLLS 60
 DB 1 MDESAKTLPPCLCFCEKGEKMGVGYDPTTPQKEGAMFGICRDGRLATLALLLS 60
 QY 61 SETMSLYOLAALADADMLNLMELQSYRSATPAAAGAPLTAAGVLTLPAAAPRPNSSR 120
 DB 61 SETMSLYOLAALADADMLNLMELQSYRSATPAAAGAPLTAAGVLTLPAAAPRPNSSR 120
 QY 121 GHRNRRAFOGPEETEQUVDLSAPPAPCLPGCRSHQHDNMMNRLTIQDCLAIADSDP 180
 DB 121 GHRNRRAFOGPEETEQUVDLSAPPAPCLPGCRSHQHDNMMNRLTIQDCLAIADSDP 180
 QY 121 GHRNRRAFOGPEETEQUVDLSAPPAPCLPGCRSHQHDNMMNRLTIQDCLAIADSDP 180
 DB 121 GHRNRRAFOGPEETEQUVDLSAPPAPCLPGCRSHQHDNMMNRLTIQDCLAIADSDP 180
 QY 181 TIRKGTTFVPMWLSFRGVALBEKENKIVVROTGFYISQVLYTDPFAMGHVIOQRK 240
 DB 181 TIRKGTTFVPMWLSFRGVALBEKENKIVVROTGFYISQVLYTDPFAMGHVIOQRK 240
 QY 166 ---RTTFVPMWLSFRGVALBEKENKIVVROTGFYISQVLYTDPFAMGHVIOQRK 221
 DB 166 ---RTTFVPMWLSFRGVALBEKENKIVVROTGFYISQVLYTDPFAMGHVIOQRK 221
 QY 241 VHVFGDELISLVTFRCLQMPKTLPPNNSCYASAGIARLEDEDTQLAIPRENOISNGPD 300
 DB 241 VHVFGDELISLVTFRCLQMPKTLPPNNSCYASAGIARLEDEDTQLAIPRENOISNGPD 300
 QY 222 VHVFGDELISLVTFRCLQMPKTLPPNNSCYASAGIARLEDEDTQLAIPRENOISNGPD 281
 DB 222 VHVFGDELISLVTFRCLQMPKTLPPNNSCYASAGIARLEDEDTQLAIPRENOISNGPD 281

QY 301 TFFGALKL 309
 DB 282 TFFGALKL 290
 RESULT 15
 ABG96470
 ID ABG96470 standard; protein; 290 AA.
 XX
 AC ABG96470;
 XX
 DT 11-DEC-2002 (first entry)
 XX
 DE Mouse Neutrokin-alpha-like protein fragment #3.
 XX
 KW Neutrokin-alpha; cytokine; autoimmune disease; cancer;
 KW systemic lupus erythematosus; rheumatoid arthritis; Sjogren's syndrome;
 KW B cell cancer; chronic lymphocytic leukaemia; multiple myeloma;
 KW Hodgkin's lymphoma; non-Hodgkin's lymphoma; immunodeficiency;
 KW hypergammaglobulinaemia; hypogammaglobulinaemia; rheumatic heart disease;
 KW diabetes mellitus; autoimmune thyroiditis; Goodpasture's syndrome;
 KW Graves' disease; myasthenia gravis; autoimmune haemolytic anaemia;
 KW infertility; chronic active hepatitis; primary biliary cirrhosis;
 KW inflammatory skin disease; psoriasis; allergy; arteriosclerosis;
 KW autoimmune thrombocytopaenia; antibody; chromosome 13q34.
 XX
 OS Mus musculus.
 XX
 PN US200215112-A1.
 XX
 XX 22-AUG-2002.
 XX
 XX 15-AUG-2001; 2001US-00929493.
 XX
 XX 23-FEB-1999; 99US-00255794.
 XX 23-MAR-1999; 99US-0122388P.
 XX 12-MAR-1999; 99US-0124097P.
 XX 26-MAR-1999; 99US-0126599P.
 XX 02-APR-1999; 99US-0127598P.
 XX 16-APR-1999; 99US-0130412P.
 XX 23-APR-1999; 99US-0130696P.
 XX 27-APR-1999; 99US-0131278P.
 XX 29-APR-1999; 99US-0131673P.
 XX 28-MAY-1999; 99US-0136784P.
 XX 06-JUL-1999; 99US-0142659P.
 XX 27-JUL-1999; 99US-0145824P.
 XX 24-NOV-1999; 99US-0167239P.
 XX 03-DEC-1999; 99US-0168624P.
 XX 16-DEC-1999; 99US-0171108P.
 XX 23-DEC-1999; 99US-0171628P.
 XX 14-JAN-2000; 2000US-0176015P.
 XX 22-FEB-2000; 2000US-00507968.
 XX 02-JUN-2000; 2000US-00586288.
 XX 08-JUN-2000; 2000US-00588947.
 XX 08-JUN-2000; 2000US-00589285.
 XX 08-JUN-2000; 2000US-00589286.
 XX 08-JUN-2000; 2000US-00589287.
 XX 15-AUG-2000; 2000US-0226282P.
 XX 23-AUG-2000; 2000US-0227008P.
 XX 22-SEP-2000; 2000US-0234338P.
 XX 17-OCT-2000; 2000US-0240806P.
 XX 30-NOV-2000; 2000US-0250020P.
 XX 16-MAR-2001; 2001US-0276248P.
 XX 25-MAY-2001; 2001US-0293499P.
 XX 07-JUN-2001; 2001US-0296122P.
 XX 13-JUL-2001; 2001US-0304809P.
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
 PI
 XX Yu G, Ebner R, Ni J, Rosen CA, Ullrich S;
 DR WPI; 2002-740098/80.

XX Novel antibody that binds to neutrokin-alpha protein, useful for
PT diagnosing and treating diseases or disorders, such as autoimmune
PT diseases, lupus erythematosus, rheumatoid arthritis, cancer, or an
PT immunodeficiency.

XX Disclosure: Page 173; 203pp; English.

XX The invention relates to an isolated antibody (I) or its portion that
CC specifically binds to a 285 residue neutrokin-alpha protein sequence or
CC a 250 residue APRIL (proliferation inducing ligand) polypeptide sequence
CC (S2). Also included are: (1) an antibody or its portion that
CC competitively inhibits the specific binding of (I) by at least 50 or 90 %
CC ; (2) a nucleic acid encoding the antibody (I) (or its single chain); (3)
CC a vector comprising the nucleic acid; (4) a host cell comprising the
CC nucleic acid or vector; and (5) a hybridoma producing the antibody. The
CC antibody is useful for treating disease or disorder such as autoimmune
CC diseases, systemic lupus erythematosus, rheumatoid arthritis, Sjogren's
CC syndrome, cancer, preferably B cell cancer, chronic lymphocytic
CC leukaemia, multiple myeloma, Hodgkin's lymphoma and non-Hodgkin's
CC lymphoma, an immunodeficiency, hypo or hypergammaglobulinaemia, rheumatic
CC heart disease, diabetes mellitus, autoimmune thyroiditis, Goodpasture's
CC syndrome, Graves' disease, myasthenia gravis, autoimmune haemolytic
CC anaemia, infertility, chronic active hepatitis, primary biliary
CC cirrhosis, other disorders such as inflammatory skin diseases including
CC psoriasis, allergic conditions, atherosclerosis, antigen-antibody
CC complex mediated diseases and autoimmune thrombocytopaenia. The antibody
CC is also useful for diagnosing the disease or disorder, by assaying
CC expression of Neutrokin-alpha and APRIL expression level, in cells or
CC body fluid of an individual and comparing the levels with a standard
CC expression level, where an increase or decrease in the assayed Neutrokin
CC -alpha and APRIL expression level compared to the standard expression
CC level is indicative of a disease or disorder. The antibody is also useful
CC for reducing or stimulating immunoglobulin production and to inhibit or
CC stimulate proliferation of a cell of haematopoietic origin, preferably a
CC B cell. The gene for Neutrokin-alpha is located on chromosome 19q34. The
CC present sequence is a non-human Neutrokin-alpha protein
XX

XX Sequence 290 AA.

Query Match 92.4%; Score 1500.5; DB 5; Length 290;

Best Local Similarity 93.5%; Pred. No. 5.3e-152; Indels 19; Gaps 1;

Matches 289; Conservative 0; Mismatches 1;

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DB	1	MDSAKTLPPPC	LCFCEKGEKDMKVGYPITPQKEGAMFGICRDRLLAATLLALLSS	60
QY	61	SFTAMSLYQALQADIMNLRMELQSYRGSATPAAGAPELTAGVKLLTPAAPPHNSR	120	
DB	61	SFTAMSLYQALQADIMNLRMELQSYRGSATPAAGAPELTAGVKLLTPAAPPHNSR	120	
QY	121	GHRRRRAFGGPEETEQVDLSAPAPCLPGCRSHQHDNGMNLNIIQDCLQIADSDTF	180	
DB	121	GHRRRRAFGGPEETEQVDLSAPAPCLPGCRSHQHDNGMNLN	165	
QY	181	TIRKGTTFYFWMLSPFRGNALKEKENKIVRQTYGFFIYSQVLYTDPPIFAMGHVIRKK	240	
DB	166	---RTYTFVFWMLSPFRGNALKEKENKIVRQTYGFFIYSQVLYTDPPIFAMGHVIRKK	221	
QY	241	VHVFGDELSTLTLRCTQNNPKTLPNNSCYSAGIARLEGGDEIQLAIPRENAQISRNGDD	300	
DB	222	VHVFGDELSTLTLRCTQNNPKTLPNNSCYSAGIARLEGGDEIQLAIPRENAQISRNGDD	281	
QY	301	TFPGALKLL	309	
DB	282	TFPGALKLL	290	

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OM protein - protein search, using sw model

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Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 1297172

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1624	100.0	309	US-09-880-748-3220	Sequence 3230, Ap
3	1624	100.0	309	US-09-932-613-176	Sequence 175, App
4	1624	100.0	309	US-09-932-322-175	Sequence 175, App
5	1624	100.0	309	US-10-293-418-3230	Sequence 3230, Ap
6	1624	100.0	309	US-10-270-487-39	Sequence 39, Appl
7	1618	99.6	309	US-09-779-050A-4	Sequence 40, Appl
8	1500.5	92.4	290	US-09-929-493-40	Sequence 40, Appl
9	1500.5	92.4	290	US-09-880-748-3221	Sequence 3221, Ap
10	1500.5	92.4	290	US-09-932-613-176	Sequence 176, App
11	1500.5	92.4	290	US-09-932-322-176	Sequence 176, App
12	1500.5	92.4	290	US-10-293-418-3231	Sequence 3231, Ap
13	1500.5	92.4	290	US-10-214-065-8	Sequence 8, Appl
14	1500.5	92.4	290	US-10-270-487-40	Sequence 40, Appl
15	1494	92.0	289	US-09-929-493-38	Sequence 38, Appl

16	1494	92.0	289	14	US-10-270-487-38	Sequence 38, Appl
17	1125.5	69.3	239	10	US-09-880-748-3232	Sequence 3232, Ap
18	1125.5	69.3	239	10	US-09-932-613-177	Sequence 177, App
19	1125.5	69.3	239	10	US-09-932-322-177	Sequence 177, App
20	1125.5	69.3	239	12	US-10-293-418-3232	Sequence 3232, Ap
21	1103.5	67.9	232	9	US-09-911-777-2	Sequence 2, Appl
22	1103.5	67.9	232	14	US-10-045-574A-2	Sequence 2, Appl
23	1003	61.8	220	10	US-09-880-748-3233	Sequence 3233, Ap
24	1003	61.8	220	10	US-09-932-613-178	Sequence 178, App
25	1003	61.8	220	10	US-09-932-322-178	Sequence 178, App
26	1003	61.8	220	12	US-10-293-418-3233	Sequence 3233, Ap
27	981.5	60.4	207	10	US-09-880-748-3234	Sequence 3234, Ap
28	981.5	60.4	207	10	US-09-932-613-179	Sequence 179, App
29	981.5	60.4	207	10	US-09-932-322-179	Sequence 179, App
30	981.5	60.4	207	12	US-10-293-418-3234	Sequence 3234, Ap
31	910	56.0	285	8	US-08-971-317A-2	Sequence 2, Appl
32	910	56.0	285	9	US-09-193-663-2	Sequence 2, Appl
33	910	56.0	285	9	US-09-877-156-1	Sequence 2, Appl
34	910	56.0	285	9	US-09-879-919-23	Sequence 2, Appl
35	910	56.0	285	9	US-09-929-493-2	Sequence 2, Appl
36	910	56.0	285	9	US-09-779-050A-2	Sequence 2, Appl
37	910	56.0	285	10	US-09-302-863-4	Sequence 4, Appl
38	910	56.0	285	10	US-09-880-748-3228	Sequence 3228, Ap
39	910	56.0	285	10	US-09-932-613-173	Sequence 173, App
40	910	56.0	285	10	US-09-955-564-4	Sequence 4, Appl
41	910	56.0	285	10	US-09-932-322-173	Sequence 173, App
42	910	56.0	285	12	US-10-147-993-24	Sequence 24, Appl
43	910	56.0	285	12	US-10-145-127-24	Sequence 24, Appl
44	910	56.0	285	12	US-10-160-503-24	Sequence 24, Appl
45	910	56.0	285	12	US-10-143-118-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-09-929-493-39, Application US/09929493
Sequence 39, Parent No. US20020115112A1
GENERAL INFORMATION:
APPLICANT: Yu et al.
FILE OF INVENTION: Neutroline-alpha and Neutroline-alpha Splice Variant
FILE REFERENCE: PF343P4
CURRENT APPLICATION NUMBER: US/09/929, 493
CURRENT FILING DATE: 2001-08-15
PRIOR APPLICATION NUMBER: 60/225, 628
PRIOR FILING DATE: 2000-08-15
PRIOR APPLICATION NUMBER: 60/227, 008
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: 60/234, 338
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: 60/240, 806
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/250, 020
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/276, 248
PRIOR FILING DATE: 2001-03-06
PRIOR APPLICATION NUMBER: 60/293, 499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/296, 122
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 60/304, 809
PRIOR FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 39
LENGTH: 309
TYPE: PRT
ORGANISM: Mus Musculus
US-09-929-493-39
Query Match 100.0%; Score 1624; DB 9; Length 309;
Best Local Similarity 100.0%; Pred. No. 1.6e-157;

Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPIITPOKEGAMFGICDGRLLAATLLALLSS 60
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QY 61 SFTAMSLYQLAALQADIMNLMELOSRYGSATPAAGAPBLTAGVKLLTPAARPHNSR 120
Db 61 SFTAMSLYQLAALQADIMNLMELOSRYGSATPAAGAPBLTAGVKLLTPAARPHNSR 120
QY 121 GHRNRRAFGQBEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFGQBEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240
Db 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240
QY 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
Db 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
QY 301 TFFGALKLL 309
Db 301 TFFGALKLL 309

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RESULT 2

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US-09-880-748-3230
; Sequence 3230, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: P523
; CURRENT APPLICATION NUMBER: US/09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3230
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-880-748-3230

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Query Match 100.0%; Score 1624; DB 10; Length 309;
 Best Local Similarity 100.0%; Pred. No. 1.6e-157;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPIITPOKEGAMFGICDGRLLAATLLALLSS 60
Db 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPIITPOKEGAMFGICDGRLLAATLLALLSS 60
QY 61 SFTAMSLYQLAALQADIMNLMELOSRYGSATPAAGAPBLTAGVKLLTPAARPHNSR 120
Db 61 SFTAMSLYQLAALQADIMNLMELOSRYGSATPAAGAPBLTAGVKLLTPAARPHNSR 120
QY 121 GHRNRRAFGQBEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFGQBEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240
Db 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240

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Db 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240
QY 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
Db 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
QY 301 TFFGALKLL 309
Db 301 TFFGALKLL 309

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RESULT 3

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US-09-932-613-175
; Sequence 175, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Belzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 175
; LENGTH: 309
; TYPE: PRT
; ORGANISM: mouse
US-09-932-613-175

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Query Match 100.0%; Score 1624; DB 10; Length 309;
 Best Local Similarity 100.0%; Pred. No. 1.6e-157;
 Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPIITPOKEGAMFGICDGRLLAATLLALLSS 60
Db 1 MDESAKTLPPCLCFCEKSGEDMKVGYDPIITPOKEGAMFGICDGRLLAATLLALLSS 60
QY 61 SFTAMSLYQLAALQADIMNLMELOSRYGSATPAAGAPBLTAGVKLLTPAARPHNSR 120
Db 61 SFTAMSLYQLAALQADIMNLMELOSRYGSATPAAGAPBLTAGVKLLTPAARPHNSR 120
QY 121 GHRNRRAFGQBEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFGQBEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240
Db 181 TIRKGTTFVFWLISFKRGNALEKENKIIVRQGYFFIYSQVLYTDPPIFAMGHVIOQKK 240
QY 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
Db 241 VHVFGDELSTVTLFRCIQNMFKTLPNNSCYSAGIARLEEGDEIQLAIPRENAQISRNGDD 300
QY 301 TFFGALKLL 309
Db 301 TFFGALKLL 309

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RESULT 4

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US-09-932-322-175
; Sequence 175, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
; APPLICANT: Dyax Corp.
; APPLICANT: Belzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Ladner, Robert Charles
; TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (Blys)

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FILE REFERENCE: DYX-018.1.PCT; DYX-018.1.US
CURRENT APPLICATION NUMBER: US/09/932,322
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 175
LENGTH: 309
TYPE: PRT
ORGANISM: mouse
US-09-932-322-175

Query Match 100.0%; Score 1624; DB 10; Length 309;
Best Local Similarity 100.0%; Pred. No. 1,6e-157;
Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPCLCFCEKGEKMDKVGYPITPQKEGAMFGICRGRLLAATLTLALLSS 60
DB 1 MDESAKTLPPCLCFCEKGEKMDKVGYPITPQKEGAMFGICRGRLLAATLTLALLSS 60
QY 61 SFTAMSLYQALALQADLMNLRMELQSYRGATPAAGAPELTAGVKLLTPAAPRPNSSR 120
DB 61 SFTAMSLYQALALQADLMNLRMELQSYRGATPAAGAPELTAGVKLLTPAAPRPNSSR 120
QY 121 GHRNRRAFGQPEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQLIADSDTP 180
DB 121 GHRNRRAFGQPEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQLIADSDTP 180
QY 181 TIRKGYTFVPMILSPFRGNALKEKENKIYVRQGTGFYISQVLYTDPFIAMGHVIOQRK 240
DB 181 TIRKGYTFVPMILSPFRGNALKEKENKIYVRQGTGFYISQVLYTDPFIAMGHVIOQRK 240
QY 241 VHVFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
DB 241 VHVFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 309

RESULT 5

US-10-293-418-3230
Sequence 3230, Application US/10293418
Publication No. US2003022396A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blyss
FILE REFERENCE: PF523P2
CURRENT APPLICATION NUMBER: US/10/293,418
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 3230
LENGTH: 309
TYPE: PRT
ORGANISM: Mus musculus
US-10-293-418-3230

Query Match 100.0%; Score 1624; DB 12; Length 309;
Best Local Similarity 100.0%; Pred. No. 1,6e-157;
Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPCLCFCEKGEKMDKVGYPITPQKEGAMFGICRGRLLAATLTLALLSS 60
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QY 61 SFTAMSLYQALALQADLMNLRMELQSYRGATPAAGAPELTAGVKLLTPAAPRPNSSR 120
DB 61 SFTAMSLYQALALQADLMNLRMELQSYRGATPAAGAPELTAGVKLLTPAAPRPNSSR 120
QY 121 GHRNRRAFGQPEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQLIADSDTP 180
DB 121 GHRNRRAFGQPEETEDVDLSAPPAPCLPGCRHSQHDNGMNLRNIIODCLQLIADSDTP 180
QY 181 TIRKGYTFVPMILSPFRGNALKEKENKIYVRQGTGFYISQVLYTDPFIAMGHVIOQRK 240
DB 181 TIRKGYTFVPMILSPFRGNALKEKENKIYVRQGTGFYISQVLYTDPFIAMGHVIOQRK 240
QY 241 VHVFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
DB 241 VHVFGDELSTVTLFRCIQNMPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNGD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 309

RESULT 6

US-10-270-487-39
Sequence 39, Application US/10270487
Publication No. US2003017508A1
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
FILE REFERENCE: PF343P5
CURRENT APPLICATION NUMBER: US/10/270,487
CURRENT FILING DATE: 2002-10-16
PRIOR APPLICATION NUMBER: 60/368,548
PRIOR FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: 60/336,726
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: 60/331,478
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/330,835
PRIOR FILING DATE: 2001-10-31
PRIOR APPLICATION NUMBER: 60/329,747
PRIOR FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 60/329,508
PRIOR FILING DATE: 2001-10-17
PRIOR APPLICATION NUMBER: 09/929,493
PRIOR FILING DATE: 2001-08-15
PRIOR APPLICATION NUMBER: 60/225,628
PRIOR FILING DATE: 2000-08-15
PRIOR APPLICATION NUMBER: 60/227,008
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: 60/234,338
PRIOR FILING DATE: 2000-09-22
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 39
LENGTH: 309
TYPE: PRT
ORGANISM: Mus musculus
US-10-270-487-39

Query Match 100.0%; Score 1624; DB 14; Length 309;
Best Local Similarity 100.0%; Pred. No. 1,6e-157;
Matches 309; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDESAKTLPPCLCFCEKGEKMDKVGYPITPQKEGAMFGICRGRLLAATLTLALLSS 60

Db 1 MDESAKTLPPCLCFCESEKEDMKVGYDPTTPQKEBAMFGICRDGLLAATLLALLSS 60
QY 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAAGAPELTAGVLLTPAAPRPNSSR 120
Db 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAAGAPELTAGVLLTPAAPRPNSSR 120
QY 121 GHRNRRAFQGEETEQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFQGEETEQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVPMWLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPIFAMGHVYQKX 240
Db 181 TIRKGTTFVPMWLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPIFAMGHVYQKX 240
QY 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQGD 300
Db 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQGD 300
QY 301 TTFGALKL 309
Db 301 TTFGALKL 309

RESULT 7
US-09-779-050A-4
; Sequence 4, Application US/09779050A
; Patent No. US20020160416A1
; GENERAL INFORMATION:
; APPLICANT: BOYLE, WILLIAM
; APPLICANT: HSU, HAILING
; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
; FILE REFERENCE: A-570B
; CURRENT APPLICATION NUMBER: US/09/779, 050A
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/181,800
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-779-050A-4

Query Match 99.6%; Score 1618; DB 9; Length 309;
Best Local Similarity 99.7%; Pred. No. 6.6e-157;
Matches 308; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDESAKTLPPCLCFCESEKEDMKVGYDPTTPQKEBAMFGICRDGLLAATLLALLSS 60
Db 1 MDESAKTLPPCLCFCESEKEDMKVGYDPTTPQKEBAMFGICRDGLLAATLLALLSS 60
QY 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAAGAPELTAGVLLTPAAPRPNSSR 120
Db 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAAGAPELTAGVLLTPAAPRPNSSR 120
QY 121 GHRNRRAFQGEETEQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
Db 121 GHRNRRAFQGEETEQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVPMWLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPIFAMGHVYQKX 240
Db 181 TIRKGTTFVPMWLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPIFAMGHVYQKX 240
QY 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQGD 300
Db 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQGD 300
QY 301 TTFGALKL 309
Db 301 TTFGALKL 309

RESULT 8
US-09-929-493-40
; Sequence 40, Application US/09929493
; Patent No. US2002015112A1
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Neutrokine-alpha and Neutrokine-alpha Splice Variant
; FILE REFERENCE: PF343P4
; CURRENT APPLICATION NUMBER: US/09/929, 493
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/225,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/240,806
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/250,020
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/296,122
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/304,809
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Mus Musculus
US-09-929-493-40

Query Match 92.4%; Score 1500.5; DB 9; Length 290;
Best Local Similarity 93.5%; Pred. No. 6.6e-145;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPCLCFCESEKEDMKVGYDPTTPQKEBAMFGICRDGLLAATLLALLSS 60
Db 1 MDESAKTLPPCLCFCESEKEDMKVGYDPTTPQKEBAMFGICRDGLLAATLLALLSS 60
QY 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAAGAPELTAGVLLTPAAPRPNSSR 120
Db 61 SFTMSLYQLAALQADLMNLRMELQSYRGSAATPAAAGAPELTAGVLLTPAAPRPNSSR 120
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Db 121 GHRNRRAFQGEETEQVDLSAPAPCLPGCRHSQHDNGMNLNIIQDCLQIADSDTP 180
QY 181 TIRKGTTFVPMWLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPIFAMGHVYQKX 240
Db 181 TIRKGTTFVPMWLSFRGNALKEKENKIIVRQGTGFYISQVLYTDPIFAMGHVYQKX 221
QY 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQGD 300
Db 241 VHVFGDELIVTLFRCIQNNPKTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQGD 281
QY 301 TTFGALKL 309
Db 282 TTFGALKL 290

RESULT 9
US-09-880-748-3231
; Sequence 3231, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys

```

FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 3231
LENGTH: 290
TYPE: PRT
ORGANISM: Mus musculus
US-09-880-748-3231

Query Match
Best Local Similarity 92.4%; Score 1500.5; DB 10; Length 290;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFCSEKGEKMDKVGYPITTPQKEGAMFGICRDRLLAATLLALSS 60
DB 1 MDESAKTLPPPCLCFCSEKGEKMDKVGYPITTPQKEGAMFGICRDRLLAATLLALSS 60
QY 61 SFTMSLYQALQADIMLRMELQSYRGSATPAAGAPELTGVYLLTPAARPNSSR 120
DB 61 SFTMSLYQALQADIMLRMELQSYRGSATPAAGAPELTGVYLLTPAARPNSSR 120
QY 121 GHRNRRAFQGPBEETEOVDLSAPAPCLPGCRHSQHDNDGMLRNITIQDCLQIADSDTP 180
DB 121 GHRNRRAFQGPBEETEOVDLSAPAPCLPGCRHSQHDNDGMLRNITIQDCLQIADSDTP 180
QY 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 240
DB 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 240
QY 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 221
DB 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 221
QY 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQD 300
DB 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 290
QY 282 TFFGALKL 290
DB 282 TFFGALKL 290

RESULT 10
US-09-932-613-176
Sequence 176, Application US/09932613
Publication No. US20030091565A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
APPLICANT: Belter, James P.
APPLICANT: Poter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
FILE REFERENCE: DXX-025.1 PCT; DXX-025.1 US
CURRENT APPLICATION NUMBER: US/09/932,613
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patent In version 3.1
SEQ ID NO 176
LENGTH: 290
TYPE: PRT
ORGANISM: mouse
US-09-932-613-176

Query Match
Best Local Similarity 92.4%; Score 1500.5; DB 10; Length 290;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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Best Local Similarity 93.5%; Pred. No. 6.6e-145;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESAKTLPPPCLCFCSEKGEKMDKVGYPITTPQKEGAMFGICRDRLLAATLLALSS 60
DB 1 MDESAKTLPPPCLCFCSEKGEKMDKVGYPITTPQKEGAMFGICRDRLLAATLLALSS 60
QY 61 SFTMSLYQALQADIMLRMELQSYRGSATPAAGAPELTGVYLLTPAARPNSSR 120
DB 61 SFTMSLYQALQADIMLRMELQSYRGSATPAAGAPELTGVYLLTPAARPNSSR 120
QY 121 GHRNRRAFQGPBEETEOVDLSAPAPCLPGCRHSQHDNDGMLRNITIQDCLQIADSDTP 180
DB 121 GHRNRRAFQGPBEETEOVDLSAPAPCLPGCRHSQHDNDGMLRNITIQDCLQIADSDTP 180
QY 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 240
DB 121 TIRKGYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 240
QY 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 221
DB 166 ----RTYTFVPMWLSFRGNALKEKENKIVVROTGFFIYSQVLYTDPFAMGHVYQKX 221
QY 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQD 300
DB 241 VHVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBDEIQLAIPRENAQISRNQD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 290
QY 282 TFFGALKL 290
DB 282 TFFGALKL 290

RESULT 11
US-09-932-322-176
Sequence 176, Application US/09932322
Publication No. US20030194743A1
GENERAL INFORMATION:
APPLICANT: Dyax Corp.
APPLICANT: Belter, James P.
APPLICANT: Poter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Ladner, Robert Charles
TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLys)
FILE REFERENCE: DXX-018.1 PCT; DXX-018.1 US
CURRENT APPLICATION NUMBER: US/09/932,322
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patent In version 3.1
SEQ ID NO 176
LENGTH: 290
TYPE: PRT
ORGANISM: mouse
US-09-932-322-176

Query Match
Best Local Similarity 92.4%; Score 1500.5; DB 10; Length 290;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 12

US-10-293-418-3231
 ; Sequence 3231, Application US/10293418
 ; Publication No. US20030223966A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
 ; FILE REFERENCE: PR523p2
 ; CURRENT APPLICATION NUMBER: US/10/293,418
 ; PRIOR FILING DATE: 2002-11-27
 ; PRIOR APPLICATION NUMBER: 60/331,469
 ; PRIOR FILING DATE: 2001-11-16
 ; PRIOR APPLICATION NUMBER: 60/340,817
 ; PRIOR FILING DATE: 2001-12-19
 ; PRIOR APPLICATION NUMBER: 09/880,748
 ; PRIOR FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: 60/293,499
 ; PRIOR FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: 60/277,379
 ; PRIOR FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/276,248
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/240,816
 ; PRIOR FILING DATE: 2000-10-17
 ; PRIOR APPLICATION NUMBER: 60/212,210
 ; PRIOR FILING DATE: 2000-06-16
 ; NUMBER OF SEQ ID NOS: 3247
 ; SEQ ID NO 3231
 ; LENGTH: 290
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-10-293-418-3231

Query Match 92.4%; Score 1500.5; DB 12; Length 290;
 Best Local Similarity 93.5%; Pred. No. 6.6e-145;

Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLTLALSS 60
 Db 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLTLALSS 60
 QY 61 SFTAMSLYQALQADLNLMLRMELOSRYGSATPPAAGAPBLTAGVKLLTPAAPRPNSSR 120
 Db 61 SFTAMSLYQALQADLNLMLRMELOSRYGSATPPAAGAPBLTAGVKLLTPAAPRPNSSR 120
 QY 121 GHRNRRAFGPEETEDVDLSAPAPCLPGCRHSQHDNGMLRNIIQDCQLIADSDTP 180
 Db 121 GHRNRRAFGPEETEDVDLSAPAPCLPGCRHSQHDNGMLRNIIQDCQLIADSDTP 180
 QY 181 TIRKGYTVFVWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
 Db 181 TIRKGYTVFVWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
 QY 166 ---RTYTFVWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 221
 Db 241 VHVFGDELSTLTLFRCTQNMPTLPPNSCYASAGIARLEEGDEIQLAIPRENAQISRNDD 300
 QY 222 VHVFGDELSTLTLFRCTQNMPTLPPNSCYASAGIARLEEGDEIQLAIPRENAQISRNDD 281
 Db 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 13

US-10-214-065-8
 ; Sequence 8, Application US/10214065
 ; Publication No. US20030023038A1
 ; GENERAL INFORMATION:

APPLICANT: BIOGEN, INC.
 APPLICANT: Remmert, Paul D.
 APPLICANT: Thompson, Jeffrey S.
 APPLICANT: Ambrose, Christine
 APPLICANT: Cachero, Teresa G.
 TITLE OF INVENTION: Heterologous Polypeptide of the TNF
 FILE REFERENCE: A092 US
 CURRENT APPLICATION NUMBER: US/10/214,065
 PRIOR FILING DATE: 2002-08-07
 PRIOR APPLICATION NUMBER: 60/181,670
 PRIOR FILING DATE: 2000-02-11
 PRIOR APPLICATION NUMBER: PCT/US01/04121
 PRIOR FILING DATE: 2001-02-08
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: Padded for Windows Version 4.0
 SEQ ID NO 8
 LENGTH: 290
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-214-065-8

Query Match 92.4%; Score 1500.5; DB 14; Length 290;
 Best Local Similarity 93.5%; Pred. No. 6.6e-145;

Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

QY 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLTLALSS 60
 Db 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLLAATLTLALSS 60
 QY 61 SFTAMSLYQALQADLNLMLRMELOSRYGSATPPAAGAPBLTAGVKLLTPAAPRPNSSR 120
 Db 61 SFTAMSLYQALQADLNLMLRMELOSRYGSATPPAAGAPBLTAGVKLLTPAAPRPNSSR 120
 QY 121 GHRNRRAFGPEETEDVDLSAPAPCLPGCRHSQHDNGMLRNIIQDCQLIADSDTP 180
 Db 121 GHRNRRAFGPEETEDVDLSAPAPCLPGCRHSQHDNGMLRNIIQDCQLIADSDTP 180
 QY 181 TIRKGYTVFVWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
 Db 181 TIRKGYTVFVWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 240
 QY 166 ---RTYTFVWLLSFRGNALKEKENKIIVRQGTGYFFISQVLYTDPPIFAMGHVIOKK 221
 Db 241 VHVFGDELSTLTLFRCTQNMPTLPPNSCYASAGIARLEEGDEIQLAIPRENAQISRNDD 300
 QY 222 VHVFGDELSTLTLFRCTQNMPTLPPNSCYASAGIARLEEGDEIQLAIPRENAQISRNDD 281
 QY 301 TFFGALKL 309
 Db 282 TFFGALKL 290

RESULT 14

US-10-270-487-40
 ; Sequence 40, Application US/10270487
 ; Publication No. US20030175208A1
 ; GENERAL INFORMATION:

APPLICANT: Yu et al.
 TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha Splice Variant
 FILE REFERENCE: PR3435

CURRENT APPLICATION NUMBER: US/10/270,487
 PRIOR FILING DATE: 2002-10-16
 PRIOR APPLICATION NUMBER: 60/368,548
 PRIOR FILING DATE: 2002-04-01
 PRIOR APPLICATION NUMBER: 60/336,726
 PRIOR FILING DATE: 2001-12-07
 PRIOR APPLICATION NUMBER: 60/331,478
 PRIOR FILING DATE: 2001-11-16
 PRIOR APPLICATION NUMBER: 60/330,835
 PRIOR FILING DATE: 2001-10-31
 PRIOR APPLICATION NUMBER: 60/329,747
 PRIOR FILING DATE: 2001-10-18
 PRIOR APPLICATION NUMBER: 60/329,508
 PRIOR FILING DATE: 2001-10-17

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; PRIOR APPLICATION NUMBER: 09/929,493
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/225,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO: 40
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-487-40

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Query Match      92.4%; Score 1500.5; DB 14; Length 290;
Best Local Similarity 93.5%; Pred. No. 6,6e-145;
Matches 289; Conservative 0; Mismatches 1; Indels 19; Gaps 1;

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QY 1 MDESATLPPECLCFSEKGEDEKVGYPDITPQKEGAMFGICRDGRLLAATLLALLSS 60
DB 1 MDESATLPPECLCFSEKGEDEKVGYPDITPQKEGAMFGICRDGRLLAATLLALLSS 60
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DB 61 SFTAMSLYQLAALQADLMNLRMELQSYRGSATPAAAGAPETAGVKLTTPAAPRPHNSSR 120
QY 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNRNTIIDCLQIADSDTP 180
DB 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNRNTIIDCLQIADSDTP 180
QY 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
DB 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
QY 166 ----RTYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 221
DB 166 ----RTYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 221
QY 241 VHVFGDELSLVTLFRCIQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRGDD 300
DB 241 VHVFGDELSLVTLFRCIQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRGDD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 309
QY 282 TFFGALKL 290
DB 282 TFFGALKL 290

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RESULT 15

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US-09-929-493-38
; Sequence 38, Application US/09929493
; Patent No. US2002011512A1
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Neutrokin-alpha and Neutrokin-alpha splice variant
; FILE REFERENCE: PF343P4
; CURRENT APPLICATION NUMBER: US/09/929,493
; PRIOR APPLICATION NUMBER: 60/225,628
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/227,008
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/234,338
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/240,806
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/250,020
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/296,122
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/304,809

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; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 38
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-929-493-38

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Query Match      92.0%; Score 1494; DB 9; Length 289;
Best Local Similarity 93.5%; Pred. No. 3e-144;
Matches 289; Conservative 0; Mismatches 0; Indels 20; Gaps 1;

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QY 1 MDESATLPPECLCFSEKGEDEKVGYPDITPQKEGAMFGICRDGRLLAATLLALLSS 60
DB 1 MDESATLPPECLCFSEKGEDEKVGYPDITPQKEGAMFGICRDGRLLAATLLALLSS 60
QY 61 SFTAMSLYQLAALQADLMNLRMELQSYRGSATPAAAGAPETAGVKLTTPAAPRPHNSSR 120
DB 61 SFTAMSLYQLAALQADLMNLRMELQSYRGSATPAAAGAPETAGVKLTTPAAPRPHNSSR 120
QY 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNRNTIIDCLQIADSDTP 180
DB 121 GHRNRRAFQGPETEDVDLSAPAPCLPCGRHSQHDNGMNRNTIIDCLQIADSDTP 180
QY 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
DB 181 TIRKGYTFVFWLLSFKRGNALEEKENKIIVROTGFFIYSQVLYTDPPIFAMGHVIOQRK 240
QY 241 VHVFGDELSLVTLFRCIQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRGDD 300
DB 241 VHVFGDELSLVTLFRCIQNMPTLPPNNSCYASAGIARLEBDEIQLAIPRENAQISRGDD 300
QY 301 TFFGALKL 309
DB 301 TFFGALKL 289

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Search completed: August 25, 2004, 14:58:49
Job time : 86.8333 secs

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; Sequence 38, Application US/09588947A
; Patent No. 6562579
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neutrokin-alpha
; FILE REFERENCE: PF4393C2
; CURRENT APPLICATION NUMBER: US/09/588,947A
; CURRENT FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/588,947
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/507,968
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/126,599
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/136,784
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/142,659
; PRIOR FILING DATE: 1999-07-06
; PRIOR APPLICATION NUMBER: 60/145,824
; PRIOR FILING DATE: 1999-07-27
; PRIOR APPLICATION NUMBER: 60/167,239
; PRIOR FILING DATE: 1999-11-24
; PRIOR APPLICATION NUMBER: 60/168,624
; PRIOR FILING DATE: 1999-12-03
; PRIOR APPLICATION NUMBER: 60/171,108
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: 60/171,626
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/176,015
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 09/255,794
; PRIOR FILING DATE: 1999-02-23
; PRIOR APPLICATION NUMBER: 09/005,874
; PRIOR FILING DATE: 1998-01-12
; PRIOR APPLICATION NUMBER: 60/036,100
; PRIOR FILING DATE: 1997-01-14
; PRIOR APPLICATION NUMBER: PCT/US96/17957
; PRIOR FILING DATE: 1996-10-25
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 38
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-588-947A-38

Query Match      92.0%; Score 1494; DB 4; Length 289;
Best Local Similarity 93.5%; Pred. No. 1.6e-161;
Matches 289; Conservative 0; Mismatches 0; Indels 20; Gaps 1;

QY 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLAATLLALLSS 60
DB 1 MDSATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLAATLLALLSS 60
QY 61 SFTAMSLYQALALQADLMNRMELQSYRGSAATPAAAGAPBLTAGVTLTPAARPHNSR 120
DB 61 SFTAMSLYQALALQADLMNRMELQSYRGSAATPAAAGAPBLTAGVTLTPAARPHNSR 120
QY 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNMGMLRNIIQDCQLIADSDTP 180

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DB 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNMGMLRNIIQDCQLIADSDTP 180
QY 181 TIRKGTTFVPMULSFKGNALBEKENKIIVRQGTGFYISQVLTDPFAMGHYIQRKK 240
DB 181 -----ALBEKENKIIVRQGTGFYISQVLTDPFAMGHYIQRKK 220
QY 241 VHVFGDELSTVTLFRICQMPKTLPRNCSYSGIARLEGGDITQAIAPRENAQISRNGD 300
DB 221 VHVFGDELSTVTLFRICQMPKTLPRNCSYSGIARLEGGDITQAIAPRENAQISRNGD 280
QY 301 TFFGALKL 309
DB 281 TFFGALKL 289

RESULT 3
US-09-589-286A-38
; Sequence 38, Application US/09589286A
; Patent No. 6635482
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
; FILE REFERENCE: PF4393C3
; CURRENT APPLICATION NUMBER: US/09/589,286A
; CURRENT FILING DATE: 2002-06-08
; PRIOR APPLICATION NUMBER: 09/589,286
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/507,968
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/126,599
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/127,598
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/130,412
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/130,696
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: 60/131,278
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131,673
; PRIOR FILING DATE: 1999-04-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 38
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-589-286A-38

Query Match      92.0%; Score 1494; DB 4; Length 289;
Best Local Similarity 93.5%; Pred. No. 1.6e-161;
Matches 289; Conservative 0; Mismatches 0; Indels 20; Gaps 1;

QY 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLAATLLALLSS 60
DB 1 MDESATLPPPCLCFCSEKEDMKVGYDPTTPQKEGAMFGICRDGRLAATLLALLSS 60
QY 61 SFTAMSLYQALALQADLMNRMELQSYRGSAATPAAAGAPBLTAGVTLTPAARPHNSR 120
DB 61 SFTAMSLYQALALQADLMNRMELQSYRGSAATPAAAGAPBLTAGVTLTPAARPHNSR 120
QY 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNMGMLRNIIQDCQLIADSDTP 180
DB 121 GHRNRRAFOGPEETEDVDLSAPAPCLPGCRHSQHDNMGMLRNIIQDCQLIADSDTP 180
QY 181 TIRKGTTFVPMULSFKGNALBEKENKIIVRQGTGFYISQVLTDPFAMGHYIQRKK 240

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Db 181 -----ALEEKENKLVAGTGYFIYSQVLYTDPIDPAMGHVIOKK 220
QY 241 VHFVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIATIRENAQISRNGD 300
Db 221 VHFVFGDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIATIRENAQISRNGD 280
QY 301 TFFGALKTL 309
Db 281 TFFGALKTL 289

RESULT 4
US-09-286-529-1
; Sequence 1, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: human
US-09-286-529-1

Query Match 56.0%; Score 910; DB 3; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCEKEGDMKV-GYDPTPOKEEGAMFGICRGRLLAATLLALLS 59
Db 1 MDSSTER-EQSRILTSCLKREEMKKECVSILPRKESPS-VRSKDGKLLAATLLALLS 58
QY 60 SSFTAMSLYQALADLMNLMELOSYSRGSAATPAAAGAPE-----LTAGVKLTTPA 111
Db 59 CCLTVVSFYQVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKTFEPP 118
QY 112 APRPHNSSRGHRNRRAVQGEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIODCL 171
Db 119 AGEGNSSQNSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGNALEEKENKIVRQGYFFIYSQVLYTDPIDFA 231
Db 148 QLIADSETPTIQGSYTFVFWMLSPKRGSALEEKENKILVKETGYFFIYQVLYTDPIDFA 207
QY 232 MGHVIOKKVHVFGEDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIATIREN 291
Db 208 MGHVIOKKVHVFGEDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIATIREN 267
QY 292 AQISRNGDDTFFGALKTL 309
Db 268 AQISLDGDTFFGALKTL 285

RESULT 5
US-09-589-287B-2
; Sequence 2, Application US/09589287B
; Patent No. 6403770
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Antibodies to Neutrokin-alpha
; FILE REFERENCE: EP343P3C1
; CURRENT APPLICATION NUMBER: US/09/589,287B
; CURRENT FILING DATE: 2000-06-08
; Prior application data removed - check PALM or file wrapper
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285

; TYPE: PRT
; ORGANISM: human
US-09-589-287B-2

Query Match 56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCEKEGDMKV-GYDPTPOKEEGAMFGICRGRLLAATLLALLS 59
Db 1 MDSSTER-EQSRILTSCLKREEMKKECVSILPRKESPS-VRSKDGKLLAATLLALLS 58
QY 60 SSFTAMSLYQALADLMNLMELOSYSRGSAATPAAAGAPE-----LTAGVKLTTPA 111
Db 59 CCLTVVSFYQVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKTFEPP 118
QY 112 APRPHNSSRGHRNRRAVQGEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIODCL 171
Db 119 AGEGNSSQNSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGNALEEKENKIVRQGYFFIYSQVLYTDPIDFA 231
Db 148 QLIADSETPTIQGSYTFVFWMLSPKRGSALEEKENKILVKETGYFFIYQVLYTDPIDFA 207
QY 232 MGHVIOKKVHVFGEDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIATIREN 291
Db 208 MGHVIOKKVHVFGEDELSTVTLFRCIQNMKPTLPNNSCYSAGIARLEBGDIQIATIREN 267
QY 292 AQISRNGDDTFFGALKTL 309
Db 268 AQISLDGDTFFGALKTL 285

RESULT 6
US-09-496-118B-1
; Sequence 1, Application US/09496118B
; Patent No. 6475986
; GENERAL INFORMATION:
; APPLICANT: Aggarwal, Bharat B.
; TITLE OF INVENTION: Uses of THANK, a TNF homologue that Activates
; FILE REFERENCE: D6206
; CURRENT APPLICATION NUMBER: US/09/496,118B
; CURRENT FILING DATE: 2000-02-01
; PRIOR FILING DATE: 1999-02-02
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 1
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: amino acid sequence of THANK protein
US-09-496-118B-1

Query Match 56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCEKEGDMKV-GYDPTPOKEEGAMFGICRGRLLAATLLALLS 59
Db 1 MDSSTER-EQSRILTSCLKREEMKKECVSILPRKESPS-VRSKDGKLLAATLLALLS 58
QY 60 SSFTAMSLYQALADLMNLMELOSYSRGSAATPAAAGAPE-----LTAGVKLTTPA 111
Db 59 CCLTVVSFYQVAALQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKTFEPP 118
QY 112 APRPHNSSRGHRNRRAVQGEETEDVDLSAPAPCLPGCRHSQHDNGMNLNIIODCL 171
Db 119 AGEGNSSQNSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGNALEEKENKIVRQGYFFIYSQVLYTDPIDFA 231

Db 148 QLIADSETPTIQKSYTFVFWMLSPKRGSALEKEKNKILVKEGYFYGVLYTDKTYA 207
QY 232 MGHVIOQRKXVHVFDELSVTLFRCIQNMPEKTLPPNNSCVSAGIARLEEGDEIQLAIPREN 291
Db 208 MGHVIOQRKXVHVFDELSVTLFRCIQNMPEKTLPPNNSCVSAGIARLEEGDEIQLAIPREN 267
QY 292 AQISRNDDTFFGALKIL 309
Db 268 AQISLDGDVTFFGALKIL 285

RESULT 7
US-09-565-423-2
; Sequence 2, Application US/09565423
; Patent No. 6475987
; GENERAL INFORMATION:
; APPLICANT: Shu, Hong-Bing
; TITLE OF INVENTION: TAIL-1 NUCLEIC ACID MOLECULES, PROTEINS, RECEPTORS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 2879-72
; CURRENT APPLICATION NUMBER: US/09/565,423
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: UNKNOWN
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/132,892
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-565-423-2

Query Match 56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCSEKGEKMKV-GYDPTTPQKEGAMFGICRDRLLAATLLIALIS 59
Db 1 MDDSTER-EGSRILTSCLKKEEMKLEKCVSILPRKESPS-VRSSKDKLAATLLIALIS 58
QY 60 SSTFMSLYQIALADIMNIRMELOSYSRGSATPAAGAPE-----LTAGVKILTPA 111
Db 59 CCLTVVSFYQVAAIQGLIASLRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGIKIPEP 118
QY 112 APRPHNSRGRNRRAAFQGEETEDQVDLSAPPAPCLPGCRHSQHDNGMNLNIIQDCL 171
Db 119 APGEGNSSQSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGSALEKEKNKIVVROTGYFYGVLYTDPIFA 231
Db 148 QLIADSETPTIQKSYTFVFWMLSPKRGSALEKEKNKILVKEGYFYGVLYTDKTYA 207
QY 232 MGHVIOQRKXVHVFDELSVTLFRCIQNMPEKTLPPNNSCVSAGIARLEEGDEIQLAIPREN 291
Db 208 MGHVIOQRKXVHVFDELSVTLFRCIQNMPEKTLPPNNSCVSAGIARLEEGDEIQLAIPREN 267
QY 292 AQISRNDDTFFGALKIL 309
Db 268 AQISLDGDVTFFGALKIL 285

RESULT 8
US-09-879-919-23
; Sequence 23, Application US/09879919
; Patent No. 6541224
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang, et al.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Delta and Epsilon
; FILE REFERENCE: PF253PI

; CURRENT APPLICATION NUMBER: US/09/879,919
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,978
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/254,875
; PRIOR FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/241,952
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/211,537
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 08/815,783
; PRIOR FILING DATE: 1997-03-12
; PRIOR APPLICATION NUMBER: 60/016,812
; PRIOR FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 23
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-879-919-23

Query Match 56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MDESAKTLPPPCLCFCSEKGEKMKV-GYDPTTPQKEGAMFGICRDRLLAATLLIALIS 59
Db 1 MDDSTER-EGSRILTSCLKKEEMKLEKCVSILPRKESPS-VRSSKDKLAATLLIALIS 58
QY 60 SSTFMSLYQIALADIMNIRMELOSYSRGSATPAAGAPE-----LTAGVKILTPA 111
Db 59 CCLTVVSFYQVAAIQGLIASLRAELQGHNAEKLPAGAGAPKAGLEAPAVTAGIKIPEP 118
QY 112 APRPHNSRGRNRRAAFQGEETEDQVDLSAPPAPCLPGCRHSQHDNGMNLNIIQDCL 171
Db 119 APGEGNSSQSRNRRAVQGEET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKRGSALEKEKNKIVVROTGYFYGVLYTDPIFA 231
Db 148 QLIADSETPTIQKSYTFVFWMLSPKRGSALEKEKNKILVKEGYFYGVLYTDKTYA 207
QY 232 MGHVIOQRKXVHVFDELSVTLFRCIQNMPEKTLPPNNSCVSAGIARLEEGDEIQLAIPREN 291
Db 208 MGHVIOQRKXVHVFDELSVTLFRCIQNMPEKTLPPNNSCVSAGIARLEEGDEIQLAIPREN 267
QY 292 AQISRNDDTFFGALKIL 309
Db 268 AQISLDGDVTFFGALKIL 285

RESULT 9
US-09-588-947A-2
; Sequence 2, Application US/09588947A
; Patent No. 6562579
; GENERAL INFORMATION:
; APPLICANT: Yu et al.
; TITLE OF INVENTION: Diagnostic Methods Using Antibodies to Neurotrophin-alpha
; FILE REFERENCE: PF343P3C2
; CURRENT APPLICATION NUMBER: US/09/588,947A
; CURRENT FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/588,947
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 09/507,968
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/122,388
; PRIOR FILING DATE: 1999-03-02
; PRIOR APPLICATION NUMBER: 60/124,097
; PRIOR FILING DATE: 1999-03-12

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PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/136,784
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/142,659
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/145,824
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: 60/167,239
PRIOR FILING DATE: 1999-11-24
PRIOR APPLICATION NUMBER: 60/168,624
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/171,108
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/171,626
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/176,015
PRIOR FILING DATE: 2000-01-14
PRIOR APPLICATION NUMBER: 09/255,794
PRIOR FILING DATE: 1999-02-23
PRIOR APPLICATION NUMBER: 09/005,874
PRIOR FILING DATE: 1998-01-12
PRIOR APPLICATION NUMBER: 60/036,100
PRIOR FILING DATE: 1997-01-14
PRIOR APPLICATION NUMBER: PCT/US96/17957
PRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-09-588-947A-2

Query Match      56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MESAATLPPCLCFCEKEDMKV-GYDPTTPKSEEGMFGICDGRILATLTLALS 59
DB 1 MDDSTER-EQSRILSLCKREEMKCEVSLPRKESP-VRSSKDGKLLATLTLALS 58
QY 60 SSFTAMSLYOLALQADIMNLRLMELQSYGSATPAAAGAE-----LTAGVLTTPA 111
DB 59 CCLTVVSFYQVVALQGDILSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIREPP 118
QY 112 APRPHNSSRGHRRARAFQGPETEDVDLSAPAPCLPGCRHSHQHDNGMNLNIIDCL 171
DB 119 APBGSSSQNSRNKRAVQGPET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKGNALBEKENKIVRQGYFFIYSQVLYTDPFA 231
DB 148 QLIADSEPTIKGTYTFVFWMLSPKRSALBEKENKILVETGTFYIYQVLYTDPFA 207
QY 232 MGHVLRKKVHVFGDELSTVTLFRCIQNNPKTLPNNSCYSAGIARLEGGDELQALAPREN 291
DB 208 MGHVLRKKVHVFGDELSTVTLFRCIQNNPKTLPNNSCYSAGIARLEGGDELQALAPREN 267
QY 292 AOISRNGDDTFFGALKL 309
DB 268 AOISLDGDTVFFGALKL 285

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RESULT 10
US-09-589-286A-2
Sequence 2, Application US/09589286A
Patent No. 6635482
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
FILE REFERENCE: PF343P33
CURRENT APPLICATION NUMBER: US/09/589, 286A
CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589, 286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507, 968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File wrapper or PALM.
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 285
TYPE: PRT
ORGANISM: human
US-09-589-286A-2

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Query Match      56.0%; Score 910; DB 4; Length 285;
Best Local Similarity 60.4%; Pred. No. 4.9e-95;
Matches 192; Conservative 33; Mismatches 51; Indels 42; Gaps 5;

QY 1 MESAATLPPCLCFCEKEDMKV-GYDPTTPKSEEGMFGICDGRILATLTLALS 59
DB 1 MDDSTER-EQSRILSLCKREEMKCEVSLPRKESP-VRSSKDGKLLATLTLALS 58
QY 60 SSFTAMSLYOLALQADIMNLRLMELQSYGSATPAAAGAE-----LTAGVLTTPA 111
DB 59 CCLTVVSFYQVVALQGDILSLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGIKIREPP 118
QY 112 APRPHNSSRGHRRARAFQGPETEDVDLSAPAPCLPGCRHSHQHDNGMNLNIIDCL 171
DB 119 APBGSSSQNSRNKRAVQGPET-----VTQDCL 147
QY 172 QLIADSDPTIRKGYTFVFWMLSPKGNALBEKENKIVRQGYFFIYSQVLYTDPFA 231
DB 148 QLIADSEPTIKGTYTFVFWMLSPKRSALBEKENKILVETGTFYIYQVLYTDPFA 207
QY 232 MGHVLRKKVHVFGDELSTVTLFRCIQNNPKTLPNNSCYSAGIARLEGGDELQALAPREN 291
DB 208 MGHVLRKKVHVFGDELSTVTLFRCIQNNPKTLPNNSCYSAGIARLEGGDELQALAPREN 267
QY 292 AOISRNGDDTFFGALKL 309
DB 268 AOISLDGDTVFFGALKL 285

RESULT 11
US-09-589-287B-19
Sequence 19, Application US/09589287B
Patent No. 6403770
GENERAL INFORMATION:

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APPLICANT: Yu et al.
TITLE OF INVENTION: Antibodies to Neutroline-alpha
FILE REFERENCE: PF343P3C1
CURRENT APPLICATION NUMBER: US/09/589,287B
CURRENT FILING DATE: 2000-06-08
Prior application data removed - check PALM or file wrapper
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-287B-19

Query Match
Best Local Similarity 50.4%; Score 818.5; DB 4; Length 266;
Best Local Similarity 55.7%; Pred. No. 1.2e-84;
Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;

QY 1 MDESATLPPEPCFCSEKEDMKV-GYDPTPQKEGAMFGICRDRLLAATLLALIS 59
DB 1 MDSTER-EGSRLTSLCKRKEEMKLEKCVSILPRKSPS-VRSSKQKLLAATLLALIS 58
QY 60 SSFTFMSLYQALQADLNLMELQSYRGSAIPAAAGPE-----LTAGVKLLTFA 111
DB 59 CCLTVVSFYQVAAIQGDLSIRAEIQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEP 118
QY 112 APRPHNSRGRNRRAQGPETEQQVDLSAPAPCLPGCRHSQHDNGMNLNIQDCL 171
DB 119 APGGNSSQNSRNRAQGPETE----- 141
QY 172 QLIADSDPTIRKGTTFVFWMLSPKRGNALEEKENKIVRQTYGYFFIYQVLYTDPIFA 231
DB 142 -----GSYTFVFWMLSPKRGSALEEKENKILVKEGYFFIYQVLYTDPXTYA 188
QY 232 MGHVIOQRKVHVFDELSVTLFRCTONMEXTLPNNSCYASAGIARLEEGDEIQAIIPREN 291
DB 189 MGHVIOQRKVHVFDELSVTLFRCTONMEXTLPNNSCYASAGIARLEEGDEIQAIIPREN 248
QY 292 AQISRNGDPTFFGALKL 309
DB 249 AQISLDGVTFFGALKL 266

RESULT 12
US-09-879-919-24
Sequence 24, Application US/09879919
Patent No. 6541224
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang, et al.
FILE REFERENCE: PF253P1
CURRENT APPLICATION NUMBER: US/09/879,919
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,978
PRIOR FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/254,875
PRIOR FILING DATE: 2000-12-13
PRIOR APPLICATION NUMBER: 60/241,952
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/211,537
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 08/815,783
PRIOR FILING DATE: 1997-03-12
PRIOR APPLICATION NUMBER: 60/016,812
PRIOR FILING DATE: 1996-03-14
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 24
LENGTH: 266
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TYPE: PRT
ORGANISM: Homo sapiens
US-09-879-919-24

Query Match
Best Local Similarity 50.4%; Score 818.5; DB 4; Length 266;
Best Local Similarity 55.7%; Pred. No. 1.2e-84;
Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;

QY 1 MDESATLPPEPCFCSEKEDMKV-GYDPTPQKEGAMFGICRDRLLAATLLALIS 59
DB 1 MDSTER-EGSRLTSLCKRKEEMKLEKCVSILPRKSPS-VRSSKQKLLAATLLALIS 58
QY 60 SSFTFMSLYQALQADLNLMELQSYRGSAIPAAAGPE-----LTAGVKLLTFA 111
DB 59 CCLTVVSFYQVAAIQGDLSIRAEIQGHAEKLPAGAGAPKAGLEAPAVTAGLKIFEP 118
QY 112 APRPHNSRGRNRRAQGPETEQQVDLSAPAPCLPGCRHSQHDNGMNLNIQDCL 171
DB 119 APGGNSSQNSRNRAQGPETE----- 141
QY 172 QLIADSDPTIRKGTTFVFWMLSPKRGNALEEKENKIVRQTYGYFFIYQVLYTDPIFA 231
DB 142 -----GSYTFVFWMLSPKRGSALEEKENKILVKEGYFFIYQVLYTDPXTYA 188
QY 232 MGHVIOQRKVHVFDELSVTLFRCTONMEXTLPNNSCYASAGIARLEEGDEIQAIIPREN 291
DB 189 MGHVIOQRKVHVFDELSVTLFRCTONMEXTLPNNSCYASAGIARLEEGDEIQAIIPREN 248
QY 292 AQISRNGDPTFFGALKL 309
DB 249 AQISLDGVTFFGALKL 266

RESULT 13
US-09-588-947A-19
Sequence 19, Application US/09588947A
Patent No. 6562579
GENERAL INFORMATION:
APPLICANT: Yu et al.
FILE REFERENCE: PF343P3C2
CURRENT APPLICATION NUMBER: US/09/588,947A
CURRENT FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/588,947
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507,968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122,388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124,097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126,599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127,598
PRIOR FILING DATE: 1999-04-02
PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/136,784
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/142,659
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/145,824
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: 60/167,239
PRIOR FILING DATE: 1999-11-24
PRIOR APPLICATION NUMBER: 60/168,624
PRIOR FILING DATE: 1999-12-03
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PRIOR APPLICATION NUMBER: 60/171,108
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/171,626
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/176,015
PRIOR FILING DATE: 2000-01-14
PRIOR APPLICATION NUMBER: 09/255,794
PRIOR FILING DATE: 1999-02-23
PRIOR APPLICATION NUMBER: 09/005,874
PRIOR FILING DATE: 1998-01-12
PRIOR APPLICATION NUMBER: 60/036,100
PRIOR FILING DATE: 1997-01-14
PRIOR APPLICATION NUMBER: FCI/US96/17957
PRIOR FILING DATE: 1996-10-25
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-588-947A-19

Query Match 50.4%; Score 818.5; DB 4; Length 266;
Best Local Similarity 55.7%; Pred. No. 1.2e-84;
Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;

QY 1 MBSAKTLPPCLCFCEKEDMKV-GYDPTPOKEGAMFGICRGRLLAATLALLS 59
DB 1 MDDSTER-EQSRLTSCIKKEEMKKECVSILPRKESPS-VRSSKDGKLAATLALLS 58
QY 60 SFTFMSLYQALADLMLRMELQSYRGSATPAAAGPE-----LTAGVLLTPA 111
DB 59 CCLTVSFYQVAAQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKTFEPP 118
QY 112 APRPNSSRGHNRRAFOGPEETEODVDLSAPPAPCLPGCRHSQHDNGMLNIIQDCL 171
DB 119 APEGNSQNSRNRRAVQGPET----- 141
QY 172 QLIADSPITIRKGYTFVFWMLSTFKRGNALEKKNKIVRQGYFFIYSQVLYTDPIFA 231
DB 142 -----GSYTFVFWMLSTFKRGSALEKKNKIVKETYFFIYQVLYTDPIYA 188
QY 232 MGHVIOKKVHVFGEDELSTVTLFRCIQNMFKTLPNNSCYASAGIARLEEGDEIQALIPREN 291
DB 189 MGHVIOKKVHVFGEDELSTVTLFRCIQNMFKTLPNNSCYASAGIARLEEGDEIQALIPREN 291
QY 292 AOISRNQDDTFFGALKL 309
DB 249 AOISLDGDTFFGALKL 266

RESULT 14
US-09-589-286A-19
Sequence 19, Application US/09589286A
Patent No. 6635482
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Monoclonal Antibodies to Membrane Neutrokin-alpha
FILE REFERENCE: PF343P3C1
CURRENT APPLICATION NUMBER: US/09/589, 286A
CURRENT FILING DATE: 2002-06-08
PRIOR APPLICATION NUMBER: 09/589, 286
PRIOR FILING DATE: 2000-06-08
PRIOR APPLICATION NUMBER: 09/507, 968
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: 60/122, 388
PRIOR FILING DATE: 1999-03-02
PRIOR APPLICATION NUMBER: 60/124, 097
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/126, 599
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 60/127, 598
PRIOR FILING DATE: 1999-04-02

PRIOR APPLICATION NUMBER: 60/130,412
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/130,696
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: 60/131,278
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,673
PRIOR FILING DATE: 1999-04-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 19
LENGTH: 266
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-287B-30

Query Match 50.4%; Score 818.5; DB 4; Length 266;
Best Local Similarity 55.7%; Pred. No. 1.2e-84;
Matches 177; Conservative 30; Mismatches 50; Indels 61; Gaps 5;

QY 1 MBSAKTLPPCLCFCEKEDMKV-GYDPTPOKEGAMFGICRGRLLAATLALLS 59
DB 1 MDDSTER-EQSRLTSCIKKEEMKKECVSILPRKESPS-VRSSKDGKLAATLALLS 58
QY 60 SFTFMSLYQALADLMLRMELQSYRGSATPAAAGPE-----LTAGVLLTPA 111
DB 59 CCLTVSFYQVAAQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKTFEPP 118
QY 112 APRPNSSRGHNRRAFOGPEETEODVDLSAPPAPCLPGCRHSQHDNGMLNIIQDCL 171
DB 119 APEGNSQNSRNRRAVQGPET----- 141
QY 172 QLIADSPITIRKGYTFVFWMLSTFKRGNALEKKNKIVRQGYFFIYSQVLYTDPIFA 231
DB 142 -----GSYTFVFWMLSTFKRGSALEKKNKIVKETYFFIYQVLYTDPIYA 188
QY 232 MGHVIOKKVHVFGEDELSTVTLFRCIQNMFKTLPNNSCYASAGIARLEEGDEIQALIPREN 291
DB 189 MGHVIOKKVHVFGEDELSTVTLFRCIQNMFKTLPNNSCYASAGIARLEEGDEIQALIPREN 291
QY 292 AOISRNQDDTFFGALKL 309
DB 249 AOISLDGDTFFGALKL 266

RESULT 15
US-09-589-287B-30
Sequence 30, Application US/09589287B
Patent No. 6403770
GENERAL INFORMATION:
APPLICANT: Yu et al.
TITLE OF INVENTION: Antibodies to Neutrokin-alpha
FILE REFERENCE: PF343P3C1
CURRENT APPLICATION NUMBER: US/09/589, 287B
CURRENT FILING DATE: 2000-06-08
PRIOR APPLICATION data removed - check PALM or file wrapper
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 30
LENGTH: 219
TYPE: PRT
ORGANISM: Homo sapiens
US-09-589-287B-30

Query Match 50.0%; Score 811.5; DB 4; Length 219;
Best Local Similarity 64.8%; Pred. No. 5.3e-84;
Matches 162; Conservative 24; Mismatches 25; Indels 33; Gaps 2;

QY 68 YQALADLMLRMELQSYRGSATPAAAGPE-----LTAGVLLTPAAPRENSS 119
DB 1 YQVAAQGLASLRAELQGHAEKLPAGAGAPKAGLEAPAVTAGKTFEPPAPGEGNSS 60

